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MONTHLY PROGRESS REPORT No. 2

for the period April 1-30, 1976

to

ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

aeromet inc.

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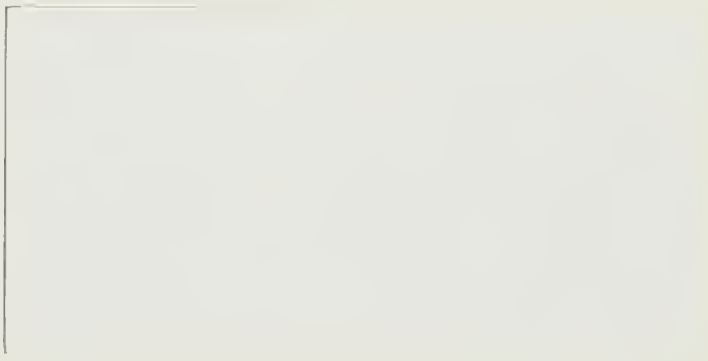

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MONTHLY PROGRESS REPORT No. 2

for the period April 1-30, 1976

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ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

1860 Lincoln St., Suite 900

Denver, CO 80203

Contract No. 68-01-1946

by

Aeromet, Inc.

Box FF

Norman, OK 73069

July 1, 1976

COLORADO Cb TRACT

1.0 INTRODUCTION

Low level temperature and wind data were collected for April 1976 at Casper, Wyoming; the Shell Oil Co. Colorado CB Tract 25 miles west of Rio Blanco, Colorado; Craig, Colorado; Escalante and Hanksville, Utah; and Rock Springs, Wyoming. The data collection was made using a 30 gm helium filled pilot balloon with a temperature sonde attached, a single theodolite and a TSR-2 receiver/recorder twice a day every other day. The observations were made 1/2 hour after sunrise and 1400L.

The pilot balloon had an ascent rate of 600ft/min and it was tracked by a single theodolite for 12 minutes with the azimuth and elevation angles recorded every 30 seconds on a cassette tape recorder. The tape was transcribed to a pilot balloon form after the observation.

The temperature sonde operated at 403 MH_Z and the signal was received by a ground plane antenna at least 24 ft. AGL which was attached to the Aeromet, Inc. TSR-2 receiver/recorder. The TSR-2 receiver has a built in Rustrak strip chart recorder and the temperature was recorded within the range from -50 to +50°C. A baseline temperature calibration was performed with each T-Sonde by the adjustment of the recorded temperature to match the thermometer measured temperature next to the transmitting sonde. Once the calibration check was finished the balloon was released with the sonde attached and the temperature was recorded for at least 20 minutes. At the completion of each observation the data was mailed to Aeromet, Inc.

The Monthly Progress Report is divided into six parts, one corresponding to each of the six field sites.

2.1 Colorado CB Tract Field Summary

The major problem that occurred during the month of April was that the receiver would break lock on the T-Sonde transmitted frequency. The problem was not consistent in that sometimes the signal would fade in and out and other times the receiver would need to be retuned to recover the temperature signal. The observer did not receive the new antenna unitl the middle of the month, however the problem was not solved after erecting the new antenna. A new receiver was mailed to the observer once it was found that the frequency drift was not due to the antenna. Upon receiving the new receiver and using it, the problem was found to still be the same. On 29 April Phil Stickel of Aeromet, Inc. went to the Colorado CB Tract and tested the equipment. It was found that the receiver was working properly, however the observer would resort to using a short balloon train on windy days to make the launch easier and this short train caused a shorter period in the sonde oscillation during the ascent. The more the sonde oscillated the weaker the received signal was, sometimes reaching the point of the receiver losing lock on the sonde. The observer was informed to attempt to use a 20 ft. balloon train on windy days.

The data collection record for the Colorado CB Tract during the month of April was 93% for the temperature and wind data.

2.2 Mixing Layer Height

The average mixing layer height was derived subjectively from the morning and afternoon temperature profiles. The morning sounding was near the minimum temperature providing a good comparison for defining an average mixing layer height. If the mixing layer height derived from only the morning sounding for the lower 2000m was not maintained throughout the day because of temperature changes due to advection, then one was not defined to exist. A blank indicates there were insufficient data to calculate a mixing layer height. It is still contended that for the proper scientific evaluation and interpretation of the mixing layer height that an objective method be used. Further library research on the topic is under way.

2.3 Stability and Inversion Classification

The temperature and wind data were edited to remove data felt to cause anomalous results in the stability and inversion classification schemes. Only the stations listed prior to the table classifying the inversions were used in the calculations.

3.0 DATA PROCESSING

3.1 Printed and Plotted Output

Wind speeds and directions are computed from the azimuth and elevation angles measured while tracking the balloon with the theodolite. The wind speed and direction are plotted versus height and printed out at 30 second intervals. The printed output includes the AGL and MSL height of the calculated wind value and the orthognal components of the wind. The wind profile is also punched on computer cards at 30 second intervals.

The temperature data are processed and plotted with the temperature and the lapse rate per 300 meters versus height at 15 second intervals. Tic marks are placed on the temperature plot at significant levels. A solid line to the right side of the plot indicates the data for that layer are interpolated temperature values. The temperature data are also printed out and punched on cards. The asterisk beside a height value indicates a significant level while a "?" indicates interpolated data.

The temperature data are also processed to produce for each site a monthly summary of inversion layers and lapse rates within the inversions and from the inversion base to the surface by means of the Holzworth classification scheme for inversions (Holzworth, G.C., 1974: "Climatological Data on Atmospheric Stability in the United States" Paper presented at the American Meteorological Society Symposium on Atmospheric Diffusion and Air Pollution, September 9-13, 1974. Santa Barbara, California.)

The temperature and wind data are processed together to produce for each site a monthly average bivariate frequency distribution of wind direction versus wind speed represented in the 500m layer adjacent to the ground. The distribution is presented by the six Pasquill stability classes (A-F) and a summary independent of stability. If the $\Delta T/100m$ criterion is met but the wind speed criterion is not met, then the

STABILITY CLASS	ΔT (°C/100m)	WIND SPEED
A	<-1.9	≤ 2
B	-1.9 - -1.7	≤ 5
C	-1.7 - -1.5	≤ 6
D	-1.5 - -0.5	ALL SPEEDS
E	-0.5 - 1.5	≤ 5
F	>1.5	≤ 3

wind data are checked against the criterion for the next stability class, always cascading to the D stability class. Once the wind speed criterion is met the data are classified under the new stability class even though now the lapse rate exceeds the class criterion. For example,

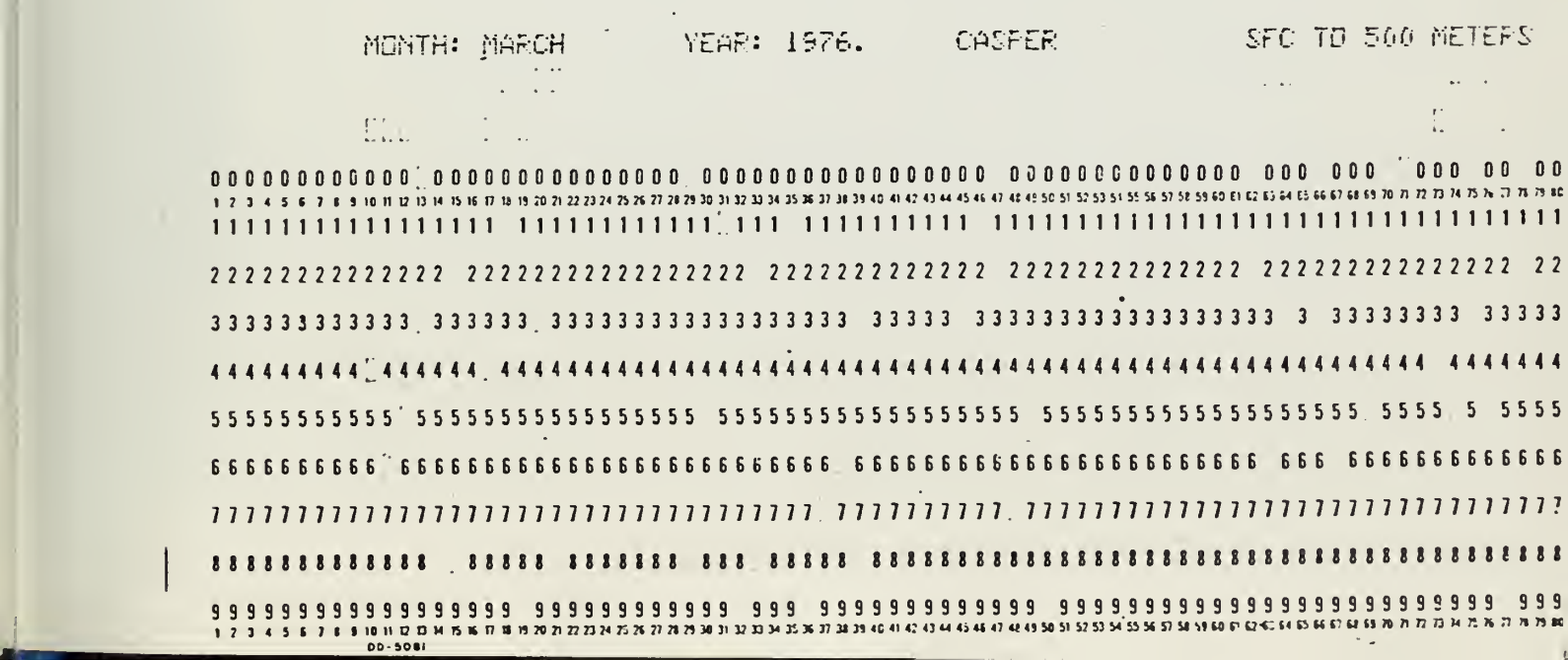
if the $\Delta T/100m$ value is 1.7 and the wind speed is 7 m/s, the lapse rate criterion is met for the stability class F, however the wind speed criterion is exceeded. The wind speed is greater than the 5 m/s maximum limit for class E but falls within the criterion of class D, which includes all wind speeds. As a result the observational data with a ΔT value of 1.7°C/100 m and a wind speed value of 7 m/s are classified under stability class D, not class F.

The data are also punched on computer cards in a format compatible with the STAR PROGRAM of the National Climatic Center, NOAA, U.S. Department of Commerce.

3.2 Punched Output

The punched temperature and wind data for each observation are categorized into four groups, each separated by a blank card. The first group begins with a header card listing the station name (3A4), the station elevation in meters (I4), the month, date and year (I6), the observation time (I4), the time zone (A3), the balloon ascent rate in feet per minute (I3), the sampling interval in seconds (I2), the temperature error in °C (F5.1), the T-Sonde I.D. number (I5) and the surface wind speed in kts and direction (2F6.1). A surface wind speed of 180.0 KTS indicates missing surface wind data. The series of cards prior to the first blank card include on each card the elapse time in minutes (2X,F5.1), the height of the balloon in meters AGL (4X,F5.0), the height of the balloon in meters MSL(4X,F5.0), the temperature in °C (4X,F6.2), the change in temperature between standard or significant levels (2X,F6.2), the lapse rate per 300m (2X,F6.2), the difference in the lapse rate per 300m and the dry adiabatic lapse rate per 300m (2X,F6.2), the wind speed in m/s if known (4X,F5.1), and the wind direction if known (3X,F5.0). The cards following the first blank card include on each card the elapse time in minutes (2X,F5.1), the height in meters AGL (4X,F5.0), the height in meters MSL (4X,F5.0), the u-component of the wind in m/s (4X,F6.1), the v-component of the wind in m/s (6X,F6.1), the wind speed in m/s (7X,F5.1), the wind direction (6X,F5.0), the elevation angle in degrees (F5.1) and the azimuth angle in degrees (F5.1). The cards after the second blank card include a header card like before and a series of cards with four groups of the following on each card; the height in meters AGL (F6.1), the temperature in °C (F6.2), the lapse rate °C/300m (F6.2) and a blank space (1X). The cards after the third blank card include a header card the same as described earlier, eight cards with the original digitized temperature data and a flag to indicate interpolated data (20(F3.1,I1)), five cards with the elevation angle in degrees (16F5.1), and five cards with the azimuth angle in degrees (16F5.1). The temperature data are in degrees Celsius and have 50°C added to each value. An elevation angle of 180° indicates a missing azimuth and elevation angle value.

The punched output from the bivariate frequency distribution calculations include a header card as illustrated below,



and the punched distribution data for each wind direction under each stability class in agreement with the "star" output. The stability classes are number coded as follows:

STABILITY CLASS	NUMBER CODE
A	1
B	2
C	3
D	4
E	5
F	6
Independent of Stability	7

The station I.D. numbers are as follows:

STATION	I.D. Number
Casper, Wyoming	1
Colorado CB Tract	2
Craig, Colorado	3
Escalante, Utah	4
Hanksville, Utah	5
Rock Springs, Wyoming	6

The month and season number codes are as follows.

MONTH	1-12
SEASON	13=DJF
	14=MAM
	15=JJA
	16=SON
ANNUAL	17

PILOT BALLOON SUMMARY
COLORADO CB TRACT
APRIL, 1976

April 2	0720	The temperature signal became weak 12 minutes after the launch for a 4 minute interval. The temperature data had to be smoothed over interval using a running mean.
	1330	The temperature signal faded in and out for the entire launch. The data had to be interpolated for the interval starting 3½ minutes after the launch to 10 minutes elapsed time.
April 4	0715	
	1345	The temperature data were interpolated for the 1 minute period starting 2½ minutes after the launch. The balloon entered the clouds 11½ minutes after the launch.
April 6	0700	The balloon entered the clouds after 11½ minutes.
	1400	The receiver lost lock on the sonde 2 minutes after the launch and it was not retuned until 10 minutes after the launch. The temperature data were interpolated over the interval. The balloon entered some virga approximately 9½ minutes after the launch.
April 8	0745	
	1400	The receiver lost lock on the sonde frequency for a 2 minute interval beginning 13 minutes after the launch. The temperature data were interpolated over the interval.
April 10	0715	The receiver lost lock on the sonde frequency at launch and was not retuned for 4½ minutes. The balloon ascended over the theodolite for the first 2 minutes. The light wind conditions are the cause for the rapid variation in wind direction.
	1330	A 5 minute interval of temperature data starting 7 minutes after the launch were not recoverable because the receiver lost lock on the sonde frequency. The interval was filled with interpolated data.
April 12	0700	The sonde was not operating properly and the temperature data was not recoverable from the time of launch until 6 minutes after the launch and for the period of 7½ to 24 minutes after the launch. The data were interpolated over the intervals of data loss.
	1430	The balloon entered the clouds after 9 minutes.

PILOT BALLOON SUMMARY
COLORADO CB TRACT
APRIL, 1976

April 14	0700	The balloon entered some virga after 6½ minutes.
	1330	The balloon entered the clouds after 5½ minutes.
April 16	0700	The temperature signal faded out during the interval from 13½ to 16 minutes elapsed time. The data were interpolated.
April 18	MORN	No observation
	AFTN	No observation
April 20	0700	The temperature data had to be interpolated for the 2 minute interval starting 1 minute after the launch because of a weak return signal from the sonde.
	1400	The temperature signal faded out for the interval of 3½ to 5½ minutes so the data were interpolated to fill the gap. The balloon entered the clouds after 6 minutes.
April 22	0700	The receiver lost lock on the sonde 4½ minutes after the launch and was not retuned until 8 minutes. The data were interpolated over the interval.
	1330	The balloon entered the clouds after 8 minutes.
April 24	0700	
	1145	The temperature data had to be interpolated for the interval of 5 to 8 minutes elapsed time because of the receiver losing lock on the sonde.
April 26	0645	The sonde is believed to have malfunctioned 4 minutes after the launch and little confidence can be placed in the data after that time.
	1300	The temperature signal was lost 3 minutes after the launch and could not be regained.
April 28	0630	The receiver lost lock on the temperature signal 5 minutes after the launch and was not retuned until 14 minutes elapsed time. The data were interpolated over the interval. The inversion found in the temperature data occurred when there was a strong noise free signal.

PILOT BALLOON SUMMARY
COLORADO CB TRACT
APRIL, 1976

April 28	1300	The receiver lost lock on the sonde frequency at 2 minutes elapsed time and 11 minutes elapsed time for 7 minute and 1 minute periods. The data were interpolated over the intervals.
April 30	0645	The temperature signal was weak for the interval from 4 to 7 minutes elapsed time and the data had to be interpolated over the interval.
	1200	The temperature data had to be interpolated for the intervals from 9½ to 12 minutes and 14 to 16 minutes elapsed time. The balloon entered the clouds after 10 minutes.

AVERAGE MIXING LAYER HEIGHT
COLORADO CB TRACT
April, 1976

DATE	HEIGHT
2	500m
4	1500m
6	900m
8	none defined
10	850m
12	none defined
14	200m
16	200m
18	
20	1600m
22	none defined
24	250m
26	none defined
28	3400m
30	1550m

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1840

DATE 04/02/76 TIME 07:20MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		2.00		0.0		2.6	45.
0.8	150	2192	1.55	-0.45	1.31	4.24	3.2	318.
1.6	300	2342	2.20	0.65	-0.33	2.60	1.6	280.
2.5	458.	2500.	2.10	-0.20	-0.33	2.60	3.0	213.
2.7	500	2542	2.09	0.09	-0.33	2.60	4.0	208.
5.2	958.	3000.	0.10	-1.99	-0.82	2.11	12.0	216.
10.4	1958.	4000.	-7.50	-7.60	-1.15	1.78	9.8	254.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1840

DATE 04/02/76 TIME 07:20MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-1.8	-1.8	2.6	45.
0.5	91.	2133.	1.3	-0.9	1.6	305.
1.0	183.	2225.	2.3	-3.3	4.1	325.
1.5	274.	2316.	1.4	-0.6	1.6	291.
2.0	366.	2408.	1.8	0.7	1.9	250.
2.5	457.	2499.	1.6	2.5	3.0	215.
3.0	549.	2591.	1.9	4.8	5.2	202.
3.5	640.	2682.	3.3	6.4	7.2	207.
4.0	732.	2774.	4.1	8.2	9.1	207.
4.5	823.	2865.	4.7	8.0	9.3	210.
5.0	914.	2956.	5.8	8.5	10.3	214.
5.5	1006.	3048.	8.4	11.2	14.0	217.
6.0	1097.	3139.	8.3	9.8	12.9	220.
6.5	1189.	3231.	7.6	8.2	11.2	223.
7.0	1280.	3322.	8.1	6.0	11.4	235.
7.5	1372.	3414.	10.5	6.1	12.1	240.
8.0	1475.	3517.	8.1	8.6	11.8	224.
8.5	1572.	3614.	10.0	7.2	12.4	234.
9.0	1668.	3710.	9.8	6.3	11.7	237.
9.5	1771.	3813.	10.2	5.4	11.5	242.
10.0	1881.	3923.	9.8	3.2	10.4	252.
10.5	1973.	4015.	9.4	2.5	9.7	255.
11.0	2064.	4106.	8.9	1.6	9.1	260.
11.5	2155.	4197.	13.4	0.4	13.4	269.
12.0	2247.	4289.	16.6	5.3	17.4	252.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1831

ATE 04/02/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
.	SFC		7.20		0.0		4.1	360.
0.8	150	2192	6.11	-1.09	-2.13	0.80	1.2	311.
1.6	? 300	2342	5.22	-0.89	-1.64	1.29	2.4	287.
2.5	458.	?2500.	4.14	-1.08	-3.61	-0.68	2.1	315.
2.7	? 500	2542	3.92	-0.22	-3.61	-0.68	3.1	330.
4.7	958.	?3000.	-0.50	-4.41	-2.13	0.80	1.0	291.
10.1	1958.	4000.	-9.00	-8.29	-3.28	-0.35	8.8	213.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1831

ATE 04/02/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.0	-4.1	4.1	360.
0.5	91.	2133.	0.3	-1.1	1.2	345.
1.0	183.	2225.	1.1	-0.4	1.2	291.
1.5	274.	2316.	2.1	-0.8	2.2	290.
2.0	366.	2408.	2.8	-0.5	2.9	279.
2.5	457.	2499.	1.5	-1.4	2.1	315.
3.0	549.	2591.	1.0	-4.2	4.3	347.
3.5	664.	2706.	1.1	-2.9	3.1	339.
4.0	809.	2851.	-0.6	-0.8	1.0	35.
4.5	921.	2963.	0.3	-0.2	0.3	313.
5.0	1012.	3054.	1.8	0.4	1.9	258.
5.5	1104.	3146.	2.6	2.3	3.4	228.
6.0	1195.	3237.	2.1	4.6	5.0	204.
6.5	1287.	3329.	1.4	5.1	5.2	195.
7.0	1378.	3420.	1.1	4.1	4.2	196.
7.5	1470.	3512.	5.6	7.9	9.7	215.
8.0	1561.	3603.	-0.1	3.1	3.1	179.
8.5	1653.	3695.	2.7	3.8	4.7	216.
9.0	1744.	3786.	3.7	4.7	5.9	218.
9.5	1835.	3877.	4.8	6.1	7.8	218.
10.0	1943.	3985.	5.2	7.4	9.1	215.
10.5	2043.	4085.	5.8	6.7	7.2	203.
11.0	2143.	4185.	3.5	6.9	7.7	207.
11.5	2243.	4285.	3.8	7.5	8.4	207.
12.0	2343.	4385.	4.1	8.0	9.0	207.
12.5	2443.	4485.	3.8	8.1	8.9	205.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1830

ATE 04/04/76 TIME 07:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		6.70		0.0		2.6	180.
0.8	150	2192	5.37	-1.33	-1.80	1.12	3.9	158.
1.6	300	2342	4.24	-1.13	-3.28	-0.35	4.8	173.
2.5	458.	2500.	2.80	-1.43	-3.12	-0.19	7.2	182.
2.7	500	2542	2.31	-0.49	-1.97	0.96	7.8	187.
5.2	958.	3000.	-1.00	-2.61	-2.79	0.14	6.6	202.
9.8	1958.	4000.	-10.20	-9.90	-3.77	-0.84	4.2	189.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1830

ATE 04/04/76 TIME 07:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.0	2.6	2.6	180.
0.5	91.	2133.	-1.6	3.2	3.6	154.
1.0	183.	2225.	-1.4	3.9	4.1	160.
1.5	274.	2316.	-0.6	4.5	4.6	172.
2.0	368.	2410.	-0.3	5.4	5.4	177.
2.5	465.	2507.	0.3	7.3	7.3	182.
3.0	558.	2600.	2.3	8.4	8.7	195.
3.5	650.	2692.	1.5	6.0	6.2	194.
4.0	741.	2783.	2.3	6.5	6.9	200.
4.5	833.	2875.	3.4	7.3	8.1	205.
5.0	924.	2966.	2.7	6.5	7.1	203.
5.5	1015.	3057.	2.2	5.4	5.8	202.
6.0	1126.	3168.	2.2	4.4	4.9	207.
6.5	1269.	3311.	2.3	6.3	6.7	200.
7.0	1394.	3436.	1.2	5.4	5.5	193.
7.5	1487.	3529.	0.1	4.5	4.5	182.
8.0	1578.	3620.	-0.7	3.7	3.8	169.
8.5	1691.	3733.	-0.5	5.4	5.5	174.
9.0	1808.	3850.	-0.1	5.9	5.9	179.
9.5	1900.	3942.	-0.0	4.8	4.8	180.
10.0	1993.	4035.	0.9	3.8	3.9	194.
10.5	2098.	4140.	1.1	3.4	3.6	198.
11.0	2210.	4252.	0.8	2.3	2.5	198.
11.5	2302.	4344.	-0.2	1.6	1.7	175.
12.0	2393.	4435.	-1.5	1.4	2.0	134.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1828

ATE 04/04/76 TIME 13:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		13.50		0.0		4.1	230.
0.7	150	2192	11.14	-2.36	-7.05	-4.12	3.6	202.
1.0	300	2342	9.05	-2.09	-7.71	-4.78	4.4	192.
1.4	458.	2500.	7.50	-1.41	-7.71	-4.78	4.9	167.
1.5	300	2342	7.53	-0.11	-7.71	-4.78	5.1	161.
2.5	958.	3000.	1.80	-5.27	-4.59	-1.66	1.4	173.
7.1	1958.	4000.	-7.20	-8.46	-3.61	-0.68	6.7	166.
11.4	2958.	5000.	-15.80	-9.60	-1.64	1.29	5.8	163.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1828

ATE 04/04/76 TIME 13:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.2	2.6	4.1	230.
0.5	91.	2133.	1.4	2.9	3.3	206.
1.0	281.	2323.	1.1	4.2	4.4	195.
1.5	514.	2556.	-1.9	4.8	5.1	159.
2.0	746.	2788.	-0.4	3.3	3.3	173.
2.5	954.	2996.	-0.1	1.4	1.4	174.
3.0	1114.	3156.	-1.0	1.1	1.5	137.
3.5	1241.	3283.	-0.7	1.6	1.8	158.
4.0	1359.	3401.	0.8	0.4	0.9	242.
4.5	1450.	3492.	-0.2	2.5	2.5	176.
5.0	1551.	3593.	-1.2	4.3	4.4	165.
5.5	1642.	3684.	-0.2	5.0	5.0	178.
6.0	1734.	3776.	-0.5	7.8	7.8	176.
6.5	1829.	3871.	-1.0	5.8	5.9	170.
7.0	1929.	3971.	-1.4	6.3	6.5	167.
7.5	2047.	4089.	-2.2	7.2	7.5	163.
8.0	2169.	4211.	-3.2	9.7	10.2	162.
8.5	2277.	4319.	-3.0	6.9	7.5	157.
9.0	2368.	4410.	-3.1	6.6	7.3	155.
9.5	2460.	4502.	-2.6	5.6	6.2	155.
10.0	2580.	4622.	-2.3	7.4	7.7	163.
10.5	2735.	4777.	-1.5	6.8	6.9	167.
11.0	2865.	4907.	-2.1	6.6	6.9	162.
11.5	2977.	5019.	-1.7	5.4	5.6	163.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1826

DATE 04/06/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		-4.00		0.0		2.6	230.
0.7	150	2192	-6.16	-2.16	-4.92	-1.99	5.7	162.
1.2	300	2342	-7.93	-1.77	-4.92	-1.99	9.3	174.
1.7	458.	2500.	-10.00	-1.35	-3.28	-0.35	10.4	186.
1.9	500	2542	-9.96	-0.68	-3.28	-0.35	10.7	189.
4.3	958.	3000.	-13.20	-3.23	-3.77	-0.84	13.3	205.
9.5	1958.	4000.	-19.60	-6.41	-1.31	1.62	11.3	242.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1826

DATE 04/06/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	2.0	1.7	2.6	230.
0.5	91.	2133.	-1.4	3.4	3.7	158.
1.0	246.	2288.	-1.7	8.8	9.0	169.
1.5	399.	2441.	0.5	10.0	10.0	183.
2.0	531.	2573.	2.0	10.8	11.0	191.
2.5	627.	2669.	2.2	7.3	7.6	197.
3.0	718.	2760.	2.0	7.0	7.3	196.
3.5	810.	2852.	4.0	10.1	10.9	202.
4.0	901.	2943.	4.4	11.0	11.8	202.
4.5	993.	3035.	6.5	12.7	14.3	207.
5.0	1110.	3152.	7.7	15.5	17.3	206.
5.5	1228.	3270.	10.7	18.6	21.5	210.
6.0	1319.	3361.	9.5	14.6	17.4	213.
6.5	1411.	3453.	10.1	8.3	13.1	231.
7.0	1502.	3544.	9.0	8.8	12.6	226.
7.5	1593.	3635.	10.0	8.5	13.1	230.
8.0	1685.	3727.	10.0	4.7	11.1	245.
8.5	1776.	3818.	7.6	4.4	8.8	240.
9.0	1868.	3910.	9.3	5.8	11.0	238.
9.5	1959.	4001.	10.0	5.3	11.3	242.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1832

TE 04/06/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		2.80		0.0		10.3	230.
0.7	? 150	2192	-0.03	-2.83	-3.77	-0.84	8.2	191.
1.2	? 300	2342	-1.19	-1.16	-2.46	0.47	14.0	199.
2.1	458.	?2500.	-2.77	-1.58	-2.79	0.14	14.9	200.
2.3	? 500	2542	-3.08	-0.31	-2.79	0.14	15.0	199.
4.8	958.	?3000.	-7.19	-4.11	-3.12	-0.19	10.8	208.
9.9	1958.	4000.	-16.10	-8.91	-1.64	1.29	8.4	235.
14.9	2958.	5000.	-25.00	-8.90	-2.46	0.47		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1832

TE 04/06/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	7.9	6.6	10.3	230.
0.5	91.	2133.	0.5	5.2	5.2	186.
1.0	249.	2291.	4.4	12.4	13.2	200.
1.5	352.	2394.	4.8	14.1	14.9	199.
2.0	444.	2486.	5.1	14.0	14.9	200.
2.5	535.	2577.	4.7	14.2	15.0	198.
3.0	626.	2668.	4.4	16.6	17.2	195.
3.5	718.	2760.	5.4	9.2	10.6	210.
4.0	809.	2851.	1.7	3.8	4.2	203.
4.5	901.	2943.	4.5	12.0	12.8	201.
5.0	992.	3034.	5.2	8.1	9.6	213.
5.5	1085.	3127.	7.4	12.7	14.7	210.
6.0	1177.	3219.	9.6	14.6	17.5	213.
6.5	1268.	3310.	10.5	11.8	15.8	222.
7.0	1361.	3403.	9.4	4.7	10.5	244.
7.5	1453.	3495.	9.9	3.5	10.5	250.
8.0	1544.	3586.	8.4	3.7	9.2	246.
8.5	1654.	3696.	8.8	5.5	10.4	238.
9.0	1784.	3826.	10.1	8.5	13.2	230.
9.5	1878.	3920.	8.7	5.6	10.3	237.
10.0	1969.	4011.	6.6	4.7	8.1	234.
10.5	2060.	4102.	7.3	4.0	8.3	241.
11.0	2156.	4198.	6.9	4.5	8.3	237.
11.5	2248.	4290.	6.0	4.4	7.4	234.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1829

TE 04/08/76 TIME 07:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		5.20		0.0		1.0	320.
0.8	150	2192	4.84	-0.36	-1.80	1.12	0.9	93.
1.6	300	2342	3.72	-1.12	-2.46	0.47	2.6	162.
2.5	458.	2500.	1.50	-1.67	-3.28	-0.35	3.5	188.
2.7	500	2542	1.54	-0.50	-3.28	-0.35	3.4	188.
5.2	958.	3000.	0.50	-1.04	0.0	2.93	3.6	190.
10.7	1958.	4000.	-5.00	-5.00	-2.62	0.30	2.5	277.
16.1	2958.	5000.	-12.20	-7.70	-2.79	0.14		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1829

TE 04/08/76 TIME 07:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.7	-0.8	1.0	320.
0.5	91.	2133.	0.0	0.5	0.5	183.
1.0	183.	2225.	-0.8	-0.9	1.2	43.
1.5	274.	2316.	-0.9	2.4	2.6	160.
2.0	366.	2408.	-0.7	2.7	2.8	166.
2.5	457.	2499.	0.5	3.5	3.5	188.
3.0	549.	2591.	0.4	3.3	3.3	187.
3.5	644.	2686.	0.2	3.4	3.4	184.
4.0	736.	2778.	0.3	3.4	3.4	185.
4.5	827.	2869.	0.4	3.5	3.6	187.
5.0	919.	2961.	0.9	3.9	4.0	192.
5.5	1010.	3052.	0.4	3.1	3.1	187.
6.0	1102.	3144.	2.1	2.6	3.4	219.
6.5	1193.	3235.	2.8	-0.5	2.8	279.
7.0	1284.	3326.	4.0	-0.9	4.1	282.
7.5	1376.	3418.	2.9	0.6	3.0	258.
8.0	1467.	3509.	2.7	1.3	3.0	244.
8.5	1559.	3601.	2.4	0.8	2.5	252.
9.0	1650.	3692.	2.6	1.1	2.9	247.
9.5	1742.	3784.	3.2	2.2	3.9	236.
10.0	1833.	3875.	5.3	2.9	6.0	241.
10.5	1925.	3967.	2.5	-0.3	2.5	276.
11.0	2016.	4058.	2.6	-0.3	2.6	277.
11.5	2107.	4149.	2.8	-2.3	3.6	309.
12.0	2199.	4241.	4.5	-3.0	5.4	303.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1827

TE 04/08/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		6.00		0.0		M	M
0.8	150	2192	4.89	-1.11	-2.79	0.14	2.0	275.
1.6	300	2342	4.01	-0.88	-2.13	0.80	2.8	188.
2.5	458.	2500.	2.30	-1.66	-2.95	-0.02	1.4	185.
2.7	500	2542	2.30	-0.04	-2.95	-0.02	2.3	188.
5.2	958.	3000.	0.0	-2.20	0.16	3.09	4.3	192.
10.5	1958.	?4000.	-7.20	-7.30	-2.95	-0.02	6.4	207.
16.0	2958.	5000.	-14.80	-7.60	-1.80	1.12		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1827

TE 04/08/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
			THE WIND DATA ARE MISSING			
0.5	91.	2133.	-1.1	0.8	1.4	126.
1.0	183.	2225.	0.0	-2.4	2.4	360.
1.5	274.	2316.	0.1	3.7	3.7	181.
2.0	366.	2408.	0.3	0.5	0.6	207.
2.5	457.	2499.	0.1	1.4	1.4	185.
3.0	549.	2591.	0.7	3.2	3.2	192.
3.5	640.	2682.	0.6	3.4	3.4	189.
4.0	732.	2774.	0.5	4.2	4.2	186.
4.5	823.	2865.	0.5	4.4	4.4	187.
5.0	914.	2956.	0.6	5.5	5.6	186.
5.5	1006.	3048.	1.0	2.8	2.9	199.
6.0	1097.	3139.	-0.2	3.0	3.0	176.
6.5	1189.	3231.	0.4	3.4	3.4	187.
7.0	1282.	3324.	1.6	2.9	3.3	210.
7.5	1402.	3444.	2.9	6.0	6.7	206.
8.0	1493.	3535.	3.7	5.2	6.4	216.
8.5	1585.	3627.	6.7	6.2	9.1	227.
9.0	1676.	3718.	4.1	5.3	6.7	218.
9.5	1768.	3810.	2.6	4.8	5.4	208.
10.0	1859.	3901.	3.7	6.3	7.3	211.
10.5	1951.	3993.	2.7	5.4	6.1	206.
11.0	2042.	4084.	5.1	8.3	9.7	212.
11.5	2133.	4175.	3.9	5.9	7.0	213.
12.0	2225.	4267.	3.7	5.5	6.6	214.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2072

ATE 04/10/76 TIME 07:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		1.00		0.0		0.0	0.
0.8	? 150	2192	0.52	-0.48	-0.66	2.27	0.5	316.
1.6	? 300	2342	0.21	-0.31	-0.82	2.11	1.3	121.
2.5	458.	?2500.	-0.37	-0.59	-1.48	1.45	2.6	84.
2.7	? 500	2542	-0.76	-0.39	-1.48	1.45	2.6	85.
5.2	958.	3000.	-0.10	0.46	1.48	4.40	6.9	240.
10.4	1958.	4000.	-7.30	-7.00	-1.97	0.96	9.8	305.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2072

ATE 04/10/76 TIME 07:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.0	0.0	0.0	0.
0.5	91.	2133.	0.3	-0.6	0.6	330.
1.0	183.	2225.	0.3	-0.2	0.3	307.
1.5	274.	2316.	-0.6	0.6	0.9	135.
2.0	366.	2408.	-2.2	-0.2	2.2	85.
2.5	457.	2499.	-2.6	-0.3	2.6	84.
3.0	549.	2591.	-2.6	-0.2	2.6	86.
3.5	640.	2682.	-2.2	0.1	2.2	92.
4.0	732.	2774.	-0.1	0.4	0.4	165.
4.5	823.	2865.	-0.0	3.9	3.9	180.
5.0	914.	2956.	4.8	3.7	6.1	232.
5.5	1006.	3048.	7.2	2.9	7.8	248.
6.0	1097.	3139.	9.3	3.3	9.9	251.
6.5	1189.	3231.	8.5	1.3	8.6	261.
7.0	1280.	3322.	8.7	-0.0	8.7	270.
7.5	1372.	3414.	8.7	-0.7	8.7	275.
8.0	1463.	3505.	7.8	-0.6	7.8	275.
8.5	1559.	3601.	7.3	-2.1	7.6	286.
9.0	1664.	3706.	5.9	-4.0	7.1	304.
9.5	1784.	3826.	7.1	-4.8	8.6	304.
10.0	1886.	3928.	6.7	-5.5	8.7	310.
10.5	1978.	4020.	8.4	-5.5	10.0	303.
11.0	2069.	4111.	6.8	-5.2	8.5	308.
11.5	2160.	4202.	8.2	-5.4	9.8	303.
12.0	2252.	4294.	7.6	-5.2	9.2	304.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2074

ATE 04/10/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		12.80		0.0		2.1	45.
0.7	150	2192	11.03	-1.77	-4.76	-1.83	1.3	118.
1.3	300	2342	8.98	-2.05	-4.76	-1.83	1.0	146.
1.8	458.	2500.	7.30	-1.61	-3.44	-0.52	1.2	158.
2.0	500	2542	7.32	-0.06	-3.44	-0.52	1.2	172.
4.4	958.	3000.	4.00	-3.31	-2.79	0.14	2.3	237.
9.8	1958.	?4000.	-3.50	-7.50	-2.13	0.80	4.1	287.
15.2	2958.	5000.	-11.80	-8.30	-3.28	-0.35		
20.5	3958.	6000.	-20.80	-9.00	-4.43	-1.50		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2074

ATE 04/10/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-1.5	-1.5	2.1	45.
0.5	91.	2133.	-1.9	-0.5	2.0	74.
1.0	219.	2261.	-0.1	0.6	0.6	169.
1.5	366.	2408.	-1.1	0.8	1.4	127.
2.0	511.	2553.	-0.1	1.2	1.2	176.
2.5	610.	2652.	0.0	1.2	1.2	181.
3.0	701.	2743.	-0.1	2.4	2.5	178.
3.5	792.	2834.	0.1	2.3	2.4	181.
4.0	884.	2926.	1.5	2.1	2.5	215.
4.5	975.	3017.	2.0	1.0	2.2	242.
5.0	1067.	3109.	2.8	0.9	3.0	252.
5.5	1158.	3200.	2.3	1.0	2.5	247.
6.0	1250.	3292.	2.6	1.1	2.8	246.
6.5	1341.	3383.	2.2	0.6	2.3	255.
7.0	1437.	3479.	3.6	-0.0	3.6	270.
7.5	1530.	3572.	2.9	-0.8	3.0	285.
8.0	1621.	3663.	4.1	0.4	4.2	264.
8.5	1713.	3755.	4.0	-0.7	4.0	280.
9.0	1804.	3846.	4.2	-0.8	4.3	281.
9.5	1896.	3938.	4.4	-1.8	4.8	293.
10.0	1987.	4029.	3.6	-1.0	3.7	285.
10.5	2079.	4121.	3.6	-1.4	3.8	291.
11.0	2170.	4212.	4.4	-1.5	4.6	289.
11.5	2261.	4303.	6.4	-2.3	6.8	290.
12.0	2353.	4395.	3.7	-0.7	3.8	281.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1825

ATE 04/12/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		11.00		0.0		5.1	225.
0.8	? 150	2192	9.33	-1.67	-2.30	0.63	9.6	278.
1.6	? 300	2342	8.24	-1.09	-1.64	1.29	11.0	279.
2.5	458.	?2500.	7.07	-1.17	-3.28	-0.35	12.3	278.
2.7	? 500	2542	6.64	-0.43	-3.28	-0.35	12.8	278.
5.2	958.	?3000.	2.90	-3.73	-2.30	0.63	14.0	272.
10.5	1958.	?4000.	-6.69	-9.59	-2.95	-0.02	19.1	286.
15.8	2958.	5000.	-15.89	-9.20	-3.61	-0.68		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1825

ATE 04/12/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.6	3.6	5.1	225.
0.5	91.	2133.	5.7	-0.9	5.7	279.
1.0	183.	2225.	11.7	-1.5	11.8	277.
1.5	274.	2316.	10.5	-1.6	10.6	279.
2.0	366.	2408.	11.9	-1.8	12.0	279.
2.5	457.	2499.	12.2	-1.7	12.3	278.
3.0	550.	2592.	13.1	-1.8	13.3	278.
3.5	646.	2688.	13.4	-1.9	13.6	278.
4.0	738.	2780.	13.8	-0.8	13.8	273.
4.5	829.	2871.	13.9	-0.3	13.9	271.
5.0	920.	2962.	12.7	-0.4	12.7	272.
5.5	1012.	3054.	15.8	-0.5	15.8	272.
6.0	1103.	3145.	14.4	-1.7	14.5	277.
6.5	1195.	3237.	14.8	-1.2	14.9	275.
7.0	1286.	3328.	13.9	-1.1	14.0	274.
7.5	1378.	3420.	14.1	-1.0	14.2	274.
8.0	1469.	3511.	14.3	-1.4	14.4	275.
8.5	1561.	3603.	14.5	-1.8	14.6	277.
9.0	1652.	3694.	14.7	-2.7	14.9	280.
9.5	1749.	3791.	17.7	-3.6	18.1	282.
10.0	1854.	3896.	17.1	-3.8	17.6	282.
10.5	1952.	3994.	18.5	-5.2	19.2	286.
11.0	2045.	4087.	16.1	-3.7	16.5	283.
11.5	2137.	4179.	16.0	-4.4	16.6	285.
12.0	2228.	4270.	19.1	-5.1	19.7	285.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2073

DATE 04/12/76 TIME 14:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		9.00		0.0		7.7	225.
0.8	150	2192	7.31	-1.69	-2.95	-0.02	4.6	314.
1.6	300	2342	5.86	-1.45	-2.95	-0.02	7.4	312.
2.4	458.	2500.	4.70	-1.15	-2.46	0.47	6.6	309.
2.7	500	2542	4.21	-0.49	-3.61	-0.68	6.0	307.
5.0	958.	3000.	-0.10	-4.31	-4.59	-1.66	6.0	264.
8.4	1958.	4000.	-10.20	-10.10	-4.26	-1.34	6.3	258.
13.2	2958.	5000.	-20.20	-10.00	-4.92	-1.99		
16.8	3958.	6000.	-30.20	-10.00	-4.26	-1.34		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2073

DATE 04/12/76 TIME 14:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	5.5	5.5	7.7	225.
0.5	91.	2133.	2.8	-3.7	4.7	323.
1.0	183.	2225.	3.5	-2.8	4.5	308.
1.5	279.	2321.	5.5	-5.0	7.5	312.
2.0	376.	2418.	5.7	-4.6	7.3	309.
2.5	468.	2510.	5.0	-4.1	6.5	309.
3.0	561.	2603.	4.1	-2.9	5.0	305.
3.5	671.	2713.	5.9	-1.8	6.1	288.
4.0	766.	2808.	2.6	-2.6	3.6	315.
4.5	858.	2900.	6.9	2.4	7.3	251.
5.0	963.	3005.	5.9	0.5	5.9	265.
5.5	1125.	3167.	9.1	-1.4	9.3	279.
6.0	1315.	3357.	9.7	0.9	9.7	265.
6.5	1465.	3507.	8.6	1.9	8.8	257.
7.0	1573.	3615.	7.5	1.8	7.7	257.
7.5	1705.	3747.	7.3	-0.4	7.3	276.
8.0	1855.	3897.	7.6	-0.0	7.6	270.
8.5	1978.	4020.	5.8	1.5	6.0	255.
9.0	2103.	4145.	7.8	-1.5	8.0	281.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2071

ATE 04/14/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		2.50		0.0		2.6	180.
0.8	150	2192	0.84	-1.66	-1.64	1.29	2.3	143.
1.6	300	2342	-0.07	-0.91	-2.13	0.80	3.8	147.
2.5	458.	2500.	-1.80	-1.11	-1.97	0.96	4.7	154.
2.7	500	2542	-1.75	-0.56	-1.97	0.96	5.2	153.
5.2	958.	3000.	-4.80	-2.75	-1.64	1.29	8.6	174.
10.7	1958.	4000.	-12.30	-7.80	-1.97	0.96		
16.0	2958.	5000.	-20.79	-8.49	-2.13	0.80		
20.9	3958.	6000.	-29.49	-8.70	-4.92	-1.99		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2071

ATE 04/14/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.0	2.6	2.6	180.
0.5	91.	2133.	-1.0	1.5	1.8	146.
1.0	183.	2225.	-1.6	2.0	2.6	142.
1.5	274.	2316.	-1.9	2.8	3.4	146.
2.0	366.	2408.	-2.4	4.2	4.8	151.
2.5	457.	2499.	-2.1	4.3	4.7	154.
3.0	549.	2591.	-2.8	5.1	5.8	152.
3.5	640.	2682.	-2.6	5.5	6.1	155.
4.0	732.	2774.	-2.1	7.4	7.7	164.
4.5	823.	2865.	-1.5	7.8	8.0	169.
5.0	914.	2956.	-1.3	7.4	7.5	170.
5.5	1006.	3048.	-0.4	9.7	9.7	178.
6.0	1097.	3139.	0.6	10.2	10.2	183.
6.5	1189.	3231.	-5.5	3.4	6.5	122.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2067

TE 04/14/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		13.00		0.0		4.1	230.
0.8	150	2192	11.21	-1.79	-4.10	-1.17	4.9	169.
1.4	300	2342	9.54	-1.67	-4.26	-1.34	7.5	163.
2.0	458.	2500.	8.00	-1.54	-4.92	-1.99	6.2	159.
2.1	500	2542	7.25	-0.75	-4.59	-1.66	6.0	160.
4.1	958.	3000.	2.80	-3.93	-2.79	0.14	5.0	157.
9.5	1958.	4000.	-3.29	-6.61	-2.62	0.30		
14.8	2958.	5000.	-11.20	-7.90	-0.66	2.27		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2067

TE 04/14/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.2	2.6	4.1	230.
0.5	91.	2133.	-0.4	3.3	3.3	174.
1.0	206.	2248.	-1.7	6.1	6.3	164.
1.5	324.	2366.	-2.4	7.4	7.8	162.
2.0	459.	2501.	-2.2	5.8	6.2	159.
2.5	621.	2663.	-1.6	5.1	5.4	163.
3.0	751.	2793.	-0.9	1.6	1.8	152.
3.5	852.	2894.	-1.9	3.6	4.1	152.
4.0	943.	2985.	-2.0	4.7	5.1	158.
4.5	1035.	3077.	-1.8	4.0	4.3	156.
5.0	1126.	3168.	-1.6	4.1	4.4	158.
5.5	1218.	3260.	-2.3	4.2	4.8	151.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2065

ATE 04/16/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		2.20		0.0		1.5	230.
0.8	150	2192	0.84	-1.36	-2.46	0.47	3.9	175.
1.6	300	2342	-0.09	-0.93	-1.64	1.29	4.2	181.
2.5	458.	2500.	-1.50	-1.09	-2.13	0.80	5.7	192.
2.7	500	2542	-1.47	-0.29	-2.13	0.80	5.6	195.
5.1	958.	3000.	-6.00	-4.21	-3.61	-0.68	5.7	224.
10.2	1958.	4000.	-15.20	-8.50	-3.94	-1.01	7.3	222.
14.8	2958.	5000.	-23.69	-9.50	-4.43	-1.50		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2065

ATE 04/16/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	1.2	1.0	1.5	230.
0.5	91.	2133.	-0.5	3.5	3.6	172.
1.0	183.	2225.	-0.2	4.1	4.1	177.
1.5	274.	2316.	0.2	3.6	3.6	185.
2.0	366.	2408.	-0.5	5.6	5.6	175.
2.5	457.	2499.	1.1	5.6	5.7	191.
3.0	549.	2591.	1.7	5.1	5.4	198.
3.5	640.	2682.	2.0	5.2	5.6	201.
4.0	760.	2802.	3.1	6.9	7.5	205.
4.5	853.	2895.	4.5	4.8	6.6	223.
5.0	945.	2987.	4.0	4.2	5.8	224.
5.5	1036.	3078.	3.3	3.6	4.9	222.
6.0	1144.	3186.	3.9	4.7	6.1	220.
6.5	1259.	3301.	3.4	4.7	5.8	216.
7.0	1350.	3392.	2.7	3.8	4.7	215.
7.5	1441.	3483.	3.5	3.1	4.7	229.
8.0	1533.	3575.	5.3	3.1	6.1	240.
8.5	1629.	3671.	3.4	5.1	6.1	214.
9.0	1734.	3776.	4.8	5.4	7.2	221.
9.5	1825.	3867.	5.3	5.4	7.6	224.
10.0	1916.	3958.	5.1	5.4	7.4	224.
10.5	2039.	4081.	4.4	5.4	7.0	219.
11.0	2149.	4191.	4.2	5.3	6.8	219.
11.5	2240.	4282.	3.5	3.9	5.3	222.
12.0	2332.	4374.	3.2	4.1	5.2	218.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2066

TE 04/16/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		4.20		0.0		4.1	270.
0.8	150	2192	2.84	-1.36	-2.13	0.80	3.9	222.
1.6	300	2342	1.81	-1.02	-1.15	1.78	5.9	226.
2.5	458.	2500.	1.00	-0.69	-0.82	2.11	8.3	225.
2.7	500	2542	1.01	-0.11	-0.82	2.11	7.4	230.
5.2	958.	3000.	-0.90	-1.51	-1.48	1.45	12.4	240.
10.7	1958.	4000.	-8.00	-7.40	-2.30	0.63	10.2	233.
15.7	2958.	5000.	-16.70	-8.80	-4.10	-1.17		
19.7	3958.	6000.	-26.70	-10.00	-4.10	-1.17		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2066

TE 04/16/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	4.1	0.0	4.1	270.
0.5	91.	2133.	2.3	2.7	3.5	220.
1.0	183.	2225.	2.8	3.0	4.1	222.
1.5	274.	2316.	3.7	3.6	5.1	226.
2.0	366.	2408.	5.7	5.5	7.9	226.
2.5	457.	2499.	5.8	6.0	8.3	224.
3.0	549.	2591.	5.4	3.5	6.4	237.
3.5	640.	2682.	8.4	5.7	10.2	236.
4.0	732.	2774.	8.0	5.6	9.7	235.
4.5	823.	2865.	8.5	5.8	10.3	235.
5.0	914.	2956.	11.3	5.9	12.7	242.
5.5	1006.	3048.	10.2	6.3	12.0	239.
6.0	1097.	3139.	6.9	3.5	7.7	243.
6.5	1189.	3231.	5.4	1.7	5.7	255.
7.0	1280.	3322.	4.7	-0.8	4.8	279.
7.5	1372.	3414.	11.5	9.5	14.9	230.
8.0	1463.	3505.	8.3	4.5	9.5	242.
8.5	1554.	3596.	8.1	3.9	9.0	244.
9.0	1646.	3688.	8.4	3.6	9.1	247.
9.5	1737.	3779.	5.3	8.6	10.0	212.
10.0	1829.	3871.	7.9	6.4	10.1	231.
10.5	1924.	3966.	8.6	6.3	10.6	234.
11.0	2015.	4057.	7.5	5.9	9.5	232.
11.5	2107.	4149.	0.8	1.0	1.2	220.
12.0	2198.	4240.	5.0	3.5	6.1	235.
12.5	2290.	4332.	6.0	3.7	7.0	238.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2064

TE 04/20/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		1.70		0.0		0.5	160.
0.8	150	2192	0.84	-0.86	-2.30	0.63	4.0	159.
1.6	? 300	2342	-0.76	-1.60	-2.62	0.30	2.5	53.
2.5	458.	?2500.	-2.07	-1.31	-2.30	0.63	2.7	10.
2.7	? 500	2542	-2.46	-0.39	-2.30	0.63	2.4	161.
5.2	958.	3000.	-7.00	-3.73	-2.79	0.14	4.6	322.
7.5	*1389	3431	-8.50		2.46	5.39		
8.8	*1617	3659	-5.20		1.15	4.08		
10.5	1958.	4000.	-8.50	-1.99	-2.46	0.47	11.1	323.
15.7	2958.	5000.	-15.30	-7.12	-1.97	0.96		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2064

TE 04/20/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	-0.2	0.5	0.5	160.
0.5	91.	2133.	1.2	-0.3	1.2	285.
1.0	183.	2225.	-5.6	-0.1	5.6	89.
1.5	274.	2316.	-2.2	-1.3	2.6	60.
2.0	366.	2408.	-1.4	-1.9	2.3	35.
2.5	457.	2499.	-0.3	-2.7	2.7	7.
3.0	549.	2591.	0.9	-1.9	2.1	335.
3.5	640.	2682.	0.8	-2.7	2.9	344.
4.0	732.	2774.	1.2	-3.7	3.9	342.
4.5	823.	2865.	2.1	-3.0	3.6	324.
5.0	919.	2961.	2.7	-3.2	4.3	320.
5.5	1024.	3066.	2.9	-4.2	5.1	325.
6.0	1115.	3157.	3.6	-4.7	5.9	322.
6.5	1207.	3249.	4.7	-5.0	6.9	317.
7.0	1298.	3340.	5.6	-0.8	5.7	278.
7.5	1389.	3431.	7.0	-1.0	7.1	278.
8.0	1481.	3523.	6.7	0.3	6.7	267.
8.5	1572.	3614.	7.2	-1.5	7.4	282.
9.0	1664.	3706.	6.6	-5.6	8.7	310.
9.5	1755.	3797.	4.6	-3.9	6.0	310.
10.0	1847.	3889.	7.4	-8.9	11.6	321.
10.5	1957.	3999.	6.6	-8.9	11.1	323.
11.0	2060.	4102.	7.1	-8.9	11.4	322.
11.5	2151.	4193.	7.2	-7.9	10.7	318.
12.0	2243.	4285.	7.2	-7.4	10.3	316.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2063

ATE 04/20/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		9.00		0.0		3.6	270.
0.7	150	2192	6.53	-2.47	-3.28	-0.35	3.7	220.
1.3	300	2342	4.85	-1.68	-5.74	-2.81	4.3	228.
1.8	458.	2500.	2.50	-2.26	-6.23	-3.30	5.0	238.
1.9	500	2542	2.53	-0.06	-6.23	-3.30	5.3	240.
3.2	958.	?3000.	-1.98	-4.51	-6.23	-3.30	4.2	250.
7.8	1958.	4000.	-10.00	-8.01	-2.30	0.63		
13.1	2958.	5000.	-17.70	-7.70	-1.80	1.12		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2063

ATE 04/20/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.6	0.0	3.6	270.
0.5	91.	2133.	1.8	2.1	2.8	222.
1.0	216.	2258.	2.9	3.6	4.6	219.
1.5	346.	2388.	3.3	2.5	4.1	232.
2.0	519.	2561.	4.8	2.6	5.5	241.
2.5	696.	2738.	4.5	1.5	4.7	251.
3.0	879.	2921.	4.0	1.4	4.2	251.
3.5	1074.	3116.	3.9	1.6	4.2	248.
4.0	1239.	3281.	3.6	-0.4	3.7	276.
4.5	1342.	3384.	2.0	-1.3	2.4	304.
5.0	1443.	3485.	2.3	0.1	2.3	267.
5.5	1543.	3585.	2.3	-0.3	2.4	278.
6.0	1634.	3676.	4.7	-0.9	4.8	280.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2070

ATE 04/22/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		9.20		0.0		4.1	230.
0.8	150	2192	7.79	-1.41	-2.79	0.14	7.3	183.
1.6	300	2342	6.35	-1.44	-3.28	-0.35	9.1	193.
2.5	458.	2500.	5.00	-1.33	-3.61	-0.68	10.0	199.
2.6	500	2542	4.33	-0.68	-3.61	-0.68	10.4	199.
5.0	958.	3000.	0.20	-4.13	-2.30	0.63	9.1	227.
9.6	1958.	4000.	-9.10	-9.10	-1.64	1.29	11.4	215.
15.0	2958.	5000.	-17.90	-9.00	-3.28	-0.35		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2070

ATE 04/22/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.2	2.6	4.1	230.
0.5	91.	2133.	-0.2	5.2	5.2	178.
1.0	183.	2225.	1.0	8.4	8.4	187.
1.5	276.	2318.	1.8	8.7	8.9	192.
2.0	368.	2410.	2.8	9.5	9.9	197.
2.5	468.	2510.	3.2	9.4	10.0	199.
3.0	585.	2627.	3.4	11.0	11.5	198.
3.5	687.	2729.	5.5	6.2	8.3	222.
4.0	781.	2823.	6.0	6.3	8.7	224.
4.5	872.	2914.	7.5	5.2	9.1	235.
5.0	964.	3006.	6.5	6.3	9.1	226.
5.5	1055.	3097.	6.4	6.3	9.0	225.
6.0	1146.	3188.	6.7	6.8	9.6	224.
6.5	1254.	3296.	7.4	9.0	11.6	219.
7.0	1374.	3416.	8.3	10.2	13.1	219.
7.5	1496.	3538.	8.4	10.9	13.7	218.
8.0	1616.	3658.	7.8	10.4	13.0	217.
8.5	1719.	3761.	5.7	7.9	9.8	216.
9.0	1836.	3878.	6.8	10.1	12.2	214.
9.5	1937.	3979.	6.6	9.7	11.8	214.
10.0	2028.	4070.	6.3	7.8	10.0	219.
10.5	2120.	4162.	5.5	7.1	8.9	218.
11.0	2211.	4253.	5.9	8.3	10.1	216.
11.5	2303.	4345.	6.0	8.3	10.3	216.
12.0	2394.	4436.	7.2	9.3	11.8	218.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2068

DATE 04/22/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		17.00		0.0		9.3	230.
0.7	150	2192	14.26	-2.74	-6.07	-3.14	7.2	200.
1.0	300	2342	12.37	-1.89	-4.76	-1.83	11.7	201.
1.5	458.	2500.	10.10	-1.30	-4.59	-1.66	10.9	195.
1.7	500	2542	10.24	-0.83	-4.59	-1.66	10.3	197.
3.0	958.	3000.	4.30	-4.37	-7.38	-4.45	7.7	209.
5.2	1958.	4000.	-4.80	-9.85	-5.74	-2.81	10.3	207.
8.0	2958.	5000.	-13.80	-9.81	-3.77	-0.84	9.6	213.
13.3	3958.	6000.	-20.50	-6.70	-3.61	-0.68		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2068

DATE 04/22/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	7.1	6.0	9.3	230.
0.5	91.	2133.	1.8	4.9	5.2	200.
1.0	286.	2328.	4.3	11.0	11.8	201.
1.5	454.	2496.	2.9	10.6	11.0	195.
2.0	589.	2631.	3.2	8.4	8.9	201.
2.5	759.	2801.	3.6	10.2	10.9	200.
3.0	946.	2988.	3.8	6.6	7.6	209.
3.5	1151.	3193.	3.0	8.6	9.1	199.
4.0	1384.	3426.	0.6	1.2	8.7	262.
4.5	1626.	3668.	2.0	6.3	6.6	198.
5.0	1876.	3918.	6.2	11.3	12.9	209.
5.5	2086.	4128.	2.7	5.7	6.3	205.
6.0	2261.	4303.	3.7	7.5	8.3	206.
6.5	2433.	4475.	4.0	5.9	7.1	214.
7.0	2613.	4655.	5.5	7.3	9.1	217.
7.5	2801.	4843.	5.8	12.0	13.3	206.
8.0	2966.	5008.	5.2	7.9	9.4	214.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2233

ATE 04/24/76 TIME 11:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		7.80		0.0		1.0	320.
0.8	150	2192	6.29	-1.51	-2.13	0.80	2.1	81.
1.6	300	2342	5.13	-1.16	-2.62	0.30	1.8	23.
2.5	458.	2500.	3.30	-1.41	-2.62	0.30	2.3	24.
2.7	500	2542	3.34	-0.38	-2.62	0.30	2.0	27.
5.2	958.	3000.	-0.30	-3.53	-1.48	1.45	1.3	28.
10.7	1958.	4000.	-4.50	-3.60	-4.10	-1.17	3.1	82.
15.7	2958.	5000.	-13.00	-9.20	-2.95	-0.02		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2233

ATE 04/24/76 TIME 11:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.7	-0.8	1.0	320.
0.5	91.	2133.	-2.1	0.3	2.1	99.
1.0	183.	2225.	-2.0	-0.7	2.1	71.
1.5	274.	2316.	-0.8	-1.7	1.9	25.
2.0	366.	2408.	-0.5	-1.6	1.6	18.
2.5	457.	2499.	-0.9	-2.1	2.3	24.
3.0	549.	2591.	-0.8	-1.4	1.6	30.
3.5	640.	2682.	-0.9	-1.2	1.5	38.
4.0	736.	2778.	-1.5	-1.0	1.8	56.
4.5	827.	2869.	-0.7	-0.9	1.1	37.
5.0	919.	2961.	-1.0	-1.0	1.4	44.
5.5	1010.	3052.	-0.1	-1.1	1.1	7.
6.0	1102.	3144.	-0.9	-1.5	1.7	31.
6.5	1193.	3235.	-1.2	-0.9	1.5	54.
7.0	1284.	3326.	-2.2	-1.2	2.5	61.
7.5	1376.	3418.	-5.8	0.6	5.9	96.
8.0	1467.	3509.	-2.6	-0.4	2.7	81.
8.5	1559.	3601.	-2.7	0.1	2.7	92.
9.0	1650.	3692.	-2.8	-0.7	2.8	77.
9.5	1742.	3784.	-2.6	0.1	2.6	91.
10.0	1833.	3875.	-2.6	-0.8	2.7	74.
10.5	1925.	3967.	-3.2	-0.3	3.2	85.
11.0	2016.	4058.	-2.9	-0.7	3.0	76.
11.5	2136.	4178.	-3.5	-0.7	3.6	78.
12.0	2243.	4285.	-3.7	-0.8	3.8	78.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2235

ATE 04/24/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		4.00		0.0		0.0	0.
0.8	150	2192	2.41	-1.59	-2.13	0.80	4.0	230.
1.6	300	2342	1.81	-0.60	-2.30	0.63	3.9	229.
2.5	458.	2500.	-0.30	-1.76	-1.97	0.96	4.4	215.
2.7	500	2542	-0.27	-0.32	-1.97	0.96	3.8	219.
5.2	958.	3000.	-2.00	-1.43	-0.49	2.44	5.7	97.
10.6	1958.	4000.	-7.00	-5.10	-0.66	2.27	15.9	92.
16.0	2958.	5000.	-14.00	-7.20	-1.64	1.29		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2235

ATE 04/24/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.0	0.0	0.0	0.
0.5	91.	2133.	1.4	1.9	2.4	216.
1.0	183.	2225.	4.2	2.6	4.9	238.
1.5	274.	2316.	2.8	2.4	3.7	229.
2.0	366.	2408.	3.2	2.7	4.2	230.
2.5	457.	2499.	2.5	3.6	4.4	215.
3.0	549.	2591.	2.1	2.3	3.1	222.
3.5	640.	2682.	-0.6	2.0	2.1	164.
4.0	732.	2774.	-2.2	1.6	2.7	125.
4.5	823.	2865.	-4.7	2.1	5.1	115.
5.0	914.	2956.	-5.1	1.2	5.2	103.
5.5	1006.	3048.	-6.3	0.1	6.3	91.
6.0	1097.	3139.	-6.9	0.4	6.9	93.
6.5	1189.	3231.	-6.6	-2.3	6.9	71.
7.0	1280.	3322.	-9.9	0.7	9.9	94.
7.5	1372.	3414.	-10.1	1.5	10.2	98.
8.0	1463.	3505.	-11.9	0.4	11.9	92.
8.5	1554.	3596.	-13.3	1.1	13.4	95.
9.0	1646.	3688.	-13.7	1.4	13.8	96.
9.5	1737.	3779.	-17.5	1.8	17.6	96.
10.0	1833.	3875.	-7.1	-1.8	7.3	76.
10.5	1939.	3981.	-17.4	1.9	17.5	96.
11.0	2030.	4072.	-9.4	-2.1	9.7	77.
11.5	2122.	4164.	-21.8	-1.6	21.9	86.
12.0	2213.	4255.	-14.3	-3.7	14.8	76.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2237

ATE 04/26/76 TIME 06:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		-1.20		0.0		4.1	230.
0.8	150	2192	-3.10	-1.90	-3.94	-1.01	8.4	199.
1.4	300	2342	-4.74	-1.64	-4.26	-1.34	6.1	182.
2.1	458.	2500.	-6.80	-1.34	-3.28	-0.35	11.8	183.
2.3	500	2542	-6.75	-0.67	-3.28	-0.35	7.5	176.
4.2	958.	?3000.	-11.00	-4.25	-3.94	-1.01	18.2	183.
8.5	1958.	?4000.	-21.09	-10.10	-3.94	-1.01	19.8	196.
12.5	2958.	5000.	-29.90	-8.81	-1.15	1.78		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2237

ATE 04/26/76 TIME 06:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	3.2	2.6	4.1	230.
0.5	91.	2133.	2.2	5.0	5.5	203.
1.0	201.	2243.	2.9	10.7	11.0	195.
1.5	334.	2376.	-0.2	4.3	4.3	178.
2.0	446.	2488.	1.0	12.9	12.9	184.
2.5	542.	2584.	-0.5	3.1	3.2	170.
3.0	650.	2692.	-0.4	8.5	8.5	177.
3.5	772.	2814.	0.1	15.0	15.0	180.
4.0	899.	2941.	1.5	17.5	17.6	185.
4.5	1022.	3064.	0.6	18.9	18.9	182.
5.0	1137.	3179.	-0.0	15.8	15.8	180.
5.5	1257.	3299.	-0.0	17.8	17.8	180.
6.0	1382.	3424.	-0.5	21.0	21.0	179.
6.5	1497.	3539.	0.2	18.9	18.9	181.
7.0	1614.	3656.	-0.2	19.4	19.4	179.
7.5	1737.	3779.	2.4	17.0	17.1	188.
8.0	1847.	3889.	3.8	15.8	16.3	193.
8.5	1969.	4011.	5.7	19.3	20.1	197.
9.0	2094.	4136.	6.4	18.4	19.5	199.
9.5	2219.	4261.	7.2	18.8	20.1	201.
10.0	2344.	4386.	8.8	21.2	23.0	203.
10.5	2452.	4494.	2.4	13.7	13.9	190.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2238

ATE 04/26/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		1.30		0.0		9.3	230.
0.8	150	2192	-0.56	-1.86	-1.48	1.45	8.6	182.
1.6	300	2342	-1.66	-1.10	-3.12	-0.19	13.8	183.
2.5	458.	2500.	-3.00	-1.34	-2.95	-0.02	12.3	183.
2.7	500	2542					14.4	186.
5.2	958.	3000.					12.2	185.
10.7	1958.	4000.					21.8	189.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2238

ATE 04/26/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	7.1	6.0	9.3	230.
0.5	91.	2133.	0.3	4.8	4.8	184.
1.0	185.	2227.	0.2	10.8	10.8	181.
1.5	276.	2318.	0.6	14.1	14.1	182.
2.0	368.	2410.	1.3	12.9	13.0	186.
2.5	461.	2503.	0.6	12.3	12.3	183.
3.0	552.	2594.	3.0	17.0	17.3	190.
3.5	644.	2686.	0.7	15.8	15.8	183.
4.0	735.	2777.	-0.2	13.3	13.3	179.
4.5	826.	2868.	0.2	11.8	11.8	181.
5.0	918.	2960.	1.7	13.4	13.5	187.
5.5	1009.	3051.	0.2	10.5	10.5	181.
6.0	1101.	3143.	4.2	12.1	12.8	199.
6.5	1192.	3234.	6.4	11.8	13.4	208.
7.0	1284.	3326.	-0.2	6.1	6.1	179.
7.5	1375.	3417.	4.0	12.9	13.5	197.
8.0	1467.	3509.	4.3	17.5	18.0	194.
8.5	1558.	3600.	3.3	15.3	15.7	192.
9.0	1649.	3691.	4.4	19.3	19.8	193.
9.5	1741.	3783.	4.4	20.6	21.0	192.
10.0	1832.	3874.	4.7	26.7	27.1	190.
10.5	1924.	3966.	4.3	24.1	24.5	190.
11.0	2015.	4057.	2.2	17.3	17.4	187.
11.5	2107.	4149.	6.1	23.2	24.0	195.
12.0	2198.	4240.	4.2	21.4	21.8	191.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2236

ATE 04/28/76 TIME 0630MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		4.70		0.0		0.0	0.
0.8	150	2192	5.00	0.30	-1.15	1.78	0.8	225.
1.6	300	2342	4.31	-0.69	-2.13	0.80	3.2	179.
2.5	458.	2500.	2.50	-1.48	-1.97	0.96	7.2	173.
2.7	500	2542	2.53	-0.31	-1.97	0.96	6.8	180.
5.1	958.	73000.	-1.19	-3.72	-2.30	0.63	13.3	213.
10.6	1958.	74000.	-9.50	-8.31	-2.62	0.30	13.0	192.
15.9	2958.	5000.	-18.70	-9.20	-0.98	1.94		
21.1	3958.	6000.	-23.80	-5.10	-3.44	-0.52		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2236

ATE 04/28/76 TIME 0630MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.0	0.0	0.0	0.
0.5	91.	2133.	0.6	0.1	0.6	256.
1.0	183.	2225.	0.4	0.8	0.9	208.
1.5	274.	2316.	0.2	2.5	2.5	184.
2.0	366.	2408.	-1.3	4.9	5.1	165.
2.5	457.	2499.	-0.9	7.1	7.2	173.
3.0	549.	2591.	0.8	6.3	6.4	187.
3.5	640.	2682.	1.4	8.0	8.1	190.
4.0	732.	2774.	3.9	8.5	9.3	205.
4.5	823.	2865.	3.6	7.7	8.5	205.
5.0	938.	2980.	7.6	11.1	13.4	214.
5.5	1029.	3071.	6.3	11.3	12.9	209.
6.0	1121.	3163.	7.6	11.3	13.6	214.
6.5	1212.	3254.	6.6	10.3	12.2	213.
7.0	1304.	3346.	7.1	11.4	13.4	212.
7.5	1395.	3437.	7.7	12.7	14.8	211.
8.0	1487.	3529.	4.4	8.6	9.6	207.
8.5	1578.	3620.	5.1	11.1	12.2	205.
9.0	1669.	3711.	3.4	10.7	11.2	198.
9.5	1761.	3803.	3.7	12.0	12.5	197.
10.0	1852.	3894.	3.0	11.7	12.1	195.
10.5	1944.	3986.	2.6	12.3	12.6	192.
11.0	2035.	4077.	3.7	15.0	15.4	194.
11.5	2127.	4169.	3.9	12.9	13.5	197.
12.0	2218.	4260.	7.2	13.7	15.5	208.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2234

ATE 04/28/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
.	SFC		14.70		0.0		7.7	270.
0.8	150	2192	12.82	-1.88	-3.44	-0.52	11.6	189.
1.4	300	2342	11.17	-1.65	-5.08	-2.16	17.6	192.
1.8	458.	2500.	9.00	-2.04	-7.54	-4.62	26.4	191.
1.9	500	2542	9.05	-0.08	-7.54	-4.62	28.9	191.
3.4	958.	?3000.	4.51	-4.54	-3.28	-0.35	16.2	198.
8.2	1958.	?4000.	-5.50	-10.01	-4.92	-1.99	9.3	217.
11.8	2958.	5000.	-15.80	-10.29	-4.43	-1.50	16.6	220.
16.7	3958.	6000.	-18.80	-3.01	-0.33	2.60		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2234

ATE 04/28/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	7.7	0.0	7.7	270.
0.5	91.	2133.	0.9	7.7	7.7	187.
1.0	202.	2244.	2.9	14.7	15.0	191.
1.5	325.	2367.	3.7	17.8	18.2	192.
2.0	527.	2569.	6.0	30.0	30.6	191.
2.5	742.	2784.	9.9	15.5	18.4	213.
3.0	879.	2921.	4.7	16.3	17.0	196.
3.5	979.	3021.	5.0	15.2	16.0	198.
4.0	1079.	3121.	0.6	2.3	2.4	194.
4.5	1179.	3221.	1.0	2.3	2.5	203.
5.0	1279.	3321.	1.4	0.0	1.4	268.
5.5	1379.	3421.	0.8	1.9	2.1	203.
6.0	1479.	3521.	1.8	1.2	2.1	237.
6.5	1575.	3617.	1.2	2.1	2.5	210.
7.0	1675.	3717.	-0.9	6.8	6.8	172.
7.5	1782.	3824.	1.9	8.3	8.6	193.
8.0	1907.	3949.	5.8	7.1	9.1	219.
8.5	2032.	4074.	5.4	8.0	9.7	214.
9.0	2195.	4237.	9.5	13.6	16.6	215.
9.5	2340.	4382.	7.7	11.2	13.6	215.
10.0	2431.	4473.	10.4	10.3	14.6	225.
10.5	2549.	4591.	6.2	8.6	10.6	216.
11.0	2711.	4753.	9.3	12.2	15.3	217.
11.5	2879.	4921.	10.3	13.0	16.6	219.
12.0	3029.	5071.	10.8	12.6	16.6	221.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2245

ATE 04/30/76 TIME 06:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		3.00		0.0		1.5	320.
0.8	150	2192	1.31	-1.69	-1.15	1.78	6.4	306.
1.6	300	2342	1.02	-0.29	-1.80	1.12	5.4	337.
2.5	458.	2500.	0.20	-0.82	-1.48	1.45	7.2	6.
2.7	500	2542	0.20	0.0	-1.48	1.45	6.8	168.
5.2	958.	?3000.	-2.50	-2.70	-2.46	0.47	9.9	355.
10.5	1958.	4000.	-10.00	-7.50	-3.77	-0.84	12.2	344.
15.9	2958.	5000.	-14.70	-4.70	-3.28	-0.35		
21.3	3958.	6000.	-22.78	-8.09	-2.46	0.47		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2245

ATE 04/30/76 TIME 06:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	1.0	-1.2	1.5	320.
0.5	91.	2133.	5.0	-2.8	5.7	299.
1.0	183.	2225.	5.2	-4.4	6.8	310.
1.5	274.	2316.	2.3	-4.9	5.4	335.
2.0	366.	2408.	1.6	-5.1	5.4	342.
2.5	457.	2499.	-0.4	-7.1	7.2	3.
3.0	549.	2591.	0.5	-6.4	6.4	356.
3.5	640.	2682.	-0.4	-8.1	8.1	3.
4.0	732.	2774.	-1.7	-8.6	8.8	11.
4.5	823.	2865.	-0.5	-8.9	9.0	3.
5.0	914.	2956.	0.1	-9.8	9.8	359.
5.5	1006.	3048.	1.6	-9.8	9.9	351.
6.0	1097.	3139.	2.2	-9.7	9.9	347.
6.5	1189.	3231.	2.4	-10.3	10.6	347.
7.0	1280.	3322.	2.3	-10.5	10.8	347.
7.5	1372.	3414.	2.3	-11.8	12.0	349.
8.0	1467.	3509.	2.2	-11.7	11.9	349.
8.5	1571.	3613.	2.6	-13.7	14.0	349.
9.0	1666.	3708.	2.7	-13.9	14.2	349.
9.5	1758.	3800.	2.6	-13.5	13.7	349.
10.0	1863.	3905.	3.6	-15.5	16.0	347.
10.5	1959.	4001.	3.4	-11.7	12.2	344.
11.0	2062.	4104.	4.4	-12.6	13.3	341.
11.5	2158.	4200.	2.2	-12.6	12.8	350.
12.0	2249.	4291.	3.0	-12.2	12.6	346.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2243

ATE 04/30/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	TEMP DEG C	D/T STD	D/T 300M	D/T LAPSE	WS M/S	WD DEG
	SFC		5.00		0.0		7.7	360.
0.6	150	2192	1.81	-3.19	-7.22	-4.29	6.4	344.
1.0	300	2342	-0.06	-1.87	-7.05	-4.12	12.0	343.
1.3	458.	2500.	-1.80	-1.53	-6.56	-3.63	10.9	341.
1.4	500	2542	-1.72	-0.13	-6.56	-3.63	10.5	341.
2.9	958.	3000.	-5.80	-4.08	-3.61	-0.68	4.0	349.
8.0	1958.	4000.	-14.00	-7.89	-2.46	0.47	8.6	3.
13.3	2958.	5000.	-18.69	-5.00	-3.28	-0.35		
17.5	3958.	6000.	-28.00	-9.31	-2.95	-0.02		

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2243

ATE 04/30/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

TIME MIN	HEIGHT M (AGL)	HEIGHT M (MSL)	U-COMP M/S	V-COMP M/S	WND SPEED M/S	WND DIR DEG
0.0	0.	2042.	0.0	-7.7	7.7	360.
0.5	91.	2133.	1.2	-4.0	4.2	344.
1.0	309.	2351.	3.7	-11.7	12.3	343.
1.5	526.	2568.	3.4	-9.7	10.2	341.
2.0	729.	2771.	0.5	-3.2	3.2	350.
2.5	879.	2921.	1.1	-1.9	2.2	330.
3.0	991.	3033.	0.2	-4.8	4.8	358.
3.5	1092.	3134.	-0.8	-2.2	2.3	19.
4.0	1183.	3225.	0.1	-4.7	4.7	359.
4.5	1286.	3328.	0.3	-5.5	5.5	357.
5.0	1403.	3445.	0.4	-6.0	6.0	356.
5.5	1495.	3537.	0.3	-4.8	4.8	357.
6.0	1586.	3628.	0.2	-3.9	3.9	357.
6.5	1678.	3720.	0.1	-9.5	9.5	360.
7.0	1769.	3811.	1.2	-8.2	8.3	352.
7.5	1865.	3907.	-0.4	-9.4	9.4	2.
8.0	1956.	3998.	-0.5	-8.5	8.5	3.
8.5	2048.	4090.	-0.1	-9.1	9.1	1.
9.0	2139.	4181.	0.1	-11.2	11.2	359.
9.5	2231.	4273.	1.4	-12.1	12.2	354.
10.0	2322.	4364.	-0.9	-8.3	8.3	6.

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1840

TE 04/02/76 TIME 07:20MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
46.	366.	0.31	-1.75

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1831

TE 04/02/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
320.	366.	0.0	-0.63

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1830

TE 04/04/76 TIME 07:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
741.	787.	0.0	-0.80

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1828

TE 04/04/76 TIME 13:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 0M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.78
100.	250.	-0.99
250.	500.	-1.04
500.	750.	-0.99
750.	1000.	-1.04
1000.	1500.	-0.82

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1826

TE 04/06/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.85
100.	250.	-0.80
250.	500.	-1.03
500.	750.	-0.70
750.	1000.	-0.76
1000.	1500.	-0.88

E 04/06/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-2.10
100.	250.	-1.01
250.	500.	-0.83
500.	750.	-0.88
750.	1000.	-0.89
1000.	1500.	-0.94

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1829

E 04/08/76 TIME 07:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	46.	0.22	0.0

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 1827

E 04/08/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
46.	91.	0.0	-0.44

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2072

E 04/10/76 TIME 07:15MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
183.	229.	0.0	-0.27

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2074

E 04/10/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
610.	655.	0.22	-1.00

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2073

E 04/12/76 TIME 14:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-0.79
100.	250.	-0.95
250.	500.	-0.98
500.	750.	-0.99
750.	1000.	-0.98
1000.	1500.	-1.01

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2071

04/14/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
549.	594.	0.0	-0.78

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2067

04/14/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.11
100.	250.	-1.14
250.	500.	-1.05
500.	750.	-0.94
750.	1000.	-0.81
1000.	1500.	-0.62

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2065

04/16/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-0.79
100.	250.	-0.87
250.	500.	-0.52
500.	750.	-1.06
750.	1000.	-0.77
1000.	1500.	-0.83

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2066

04/16/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
366.	412.	0.0	-0.71

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2064

04/20/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1344.	1664.	1.09	-0.77

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2083

DATE 04/20/76 TIME 14:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1239.	1296.	0.0	-1.11

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2070

DATE 04/22/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-0.59
100.	250.	-0.96
250.	500.	-1.03
500.	750.	-0.93
750.	1000.	-0.89
1000.	1500.	-0.96

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2068

DATE 04/22/76 TIME 13:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.00
100.	250.	-1.14
250.	500.	-0.88
500.	750.	-0.96
750.	1000.	-1.05
1000.	1500.	-1.04

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2235

DATE 04/24/76 TIME 07:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
594.	640.	0.22	-0.81

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2233

DATE 04/24/76 TIME 11:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
782.	827.	0.0	-0.87

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2237

ATE 04/26/76 TIME 06:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.27
100.	250.	-1.03
250.	500.	-0.86
500.	750.	-1.06
750.	1000.	-1.01
1000.	1500.	-0.98

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2238

ATE 04/26/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE INSUFFICIENT DATA WITHIN 2000M OF THE SFC

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2236

ATE 04/28/76 TIME 06:30MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
0.	91.	0.55	0.0

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2234

ATE 04/28/76 TIME 13:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

THERE ARE NO INVERSION BASES WITHIN 1500M OF THE SFC

LAYER BASE METERS AGL	LAYER TOP METERS AGL	DT/DZ (DEG C)/100M
0.	100.	-1.55
100.	250.	-0.76
250.	500.	-1.12
500.	750.	-1.11
750.	1000.	-0.86
1000.	1500.	-1.00

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2245

ATE 04/30/76 TIME 06:45MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
183.	274.	0.11	-0.98

****

COL CB TRACT ELEV 2042 METERS SOUNDING ID 2243

ATE 04/30/76 TIME 12:00MST ASCENT RATE 600 FPM DATA INTERVAL 15 SEC.

INV BASE METERS AGL	INV TOP METERS AGL	INV DT/DZ (DEG C)/100M	DT/DZ BELOW INV (DEG C)/100M
1092.	1183.	0.0	-1.11

MONTH: APRIL YEAR:19760. COL CR TRACT ELEV 2042 METERS

HOLZWORTHIS CLASSIFICATION SCHEME FOR INVERSIONS
MODIFIED TO SHOW TOTAL NUMBER INSTEAD OF PERCENT

THICKNESS (METERS)	INVERSION BASE HEIGHT (M) SFC	1-100	101-250	251-500	501-750	751-1000	1001-1500	1501-2000	2001-2500	2501-3000	TOTAL
1 - 100	2	1	2	2	4	1	2	0	0	0	14
101 - 250	0	0	0	0	0	0	0	0	0	0	0
251 - 500	0	1	0	0	0	0	1	0	0	0	2
501 - 750	0	0	0	0	0	0	0	0	0	0	0
751 - 1000	0	0	0	0	0	0	0	0	0	0	0
1001 - 1500	0	0	0	0	0	0	0	0	0	0	0
> 1500	0	0	0	0	0	0	0	0	0	0	0
INV TOTAL	2	2	2	2	4	1	3	0	0	0	16
DT/DZ 5		0	1	0	0	0	0	0	0	0	1
FROM INV 4		1	0	2	2	0	1	0	0	0	6
BASE 3		0	1	0	2	1	2	0	0	0	6
TO 2		0	0	0	0	0	0	0	0	0	0
SFC 1		1	0	0	0	0	0	0	0	0	1
NO INV TOT		10	10	10	10	10	10				
DT/DZ FOR 5		0	0	0	0	0	0				
SAME 4		3	1	1	1	2	1				
LAYERS 3		1	9	9	9	8	9				
AS INV 2		2	0	0	0	0	0				
BASE 1		4	0	0	0	0	0				

DT/DZ (DEG C)/100M
5= 0.00 TO -0.40
4=-0.41 TO -0.80
3=-0.81 TO -1.20
2=-1.21 TO -1.60
1=<-1.60

MONTH: APRIL YEAR:19760. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0		0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE A STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 27 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: APRIL YEAR:19760. COL CR TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	1.00	0.0	0.0	0.0	0.0	3.3	1.00
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	3.3	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	1.00	0.0	0.0	0.0	0.0		1.00

RELATIVE FREQUENCY OF OCCURRENCE OF THE B STABILITY CLASS IS 0.04

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 27 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: APRIL YEAR: 19760. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0		0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE C STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 27 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: APRIL YEAR:19760. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.09	0.0	0.0	0.0	0.0	0.0	1.9	0.09
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.09	0.13	0.0	0.0	0.0	0.0	3.4	0.22
S	0.04	0.04	0.04	0.04	0.0	0.0	6.3	0.17
SSW	0.0	0.0	0.13	0.04	0.04	0.0	11.1	0.22
SW	0.0	0.13	0.0	0.0	0.0	0.0	4.7	0.13
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.04	0.0	0.0	0.0	0.0	0.0	1.9	0.04
NW	0.0	0.04	0.0	0.0	0.0	0.0	5.9	0.04
NNW	0.0	0.04	0.04	0.0	0.0	0.0	7.4	0.09
AVG SPEED	1.5	5.0	8.5	11.9	17.6	0.0		0.0
TOTAL	0.26	0.39	0.22	0.09	0.04	0.0		1.00

RELATIVE FREQUENCY OF OCCURRENCE OF THE D STABILITY CLASS IS 0.85

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 27 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: APRIL YEAR:19760. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.33	0.0	0.0	0.0	0.0	0.0	1.2	0.33
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.33	0.0	0.0	0.0	0.0	3.3	0.33
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.33	0.0	0.0	0.0	0.0	0.0	1.8	0.33
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	1.5	3.3	0.0	0.0	0.0	0.0		0.0
TOTAL	0.67	0.33	0.0	0.0	0.0	0.0		1.00

RELATIVE FREQUENCY OF OCCURRENCE OF THE E STABILITY CLASS IS 0.11

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 27 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: APRIL YEAR:19760. COL CB TRACT SFC TO 500 METERS

NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVG SPEED	0.0	0.0	0.0	0.0	0.0	0.0		0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0		0.0

RELATIVE FREQUENCY OF OCCURRENCE OF THE F STABILITY CLASS IS 0.0

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 27 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA

MONTH: APRIL YEAR:19760. COL CB TRACT SFC TO 500 METERS

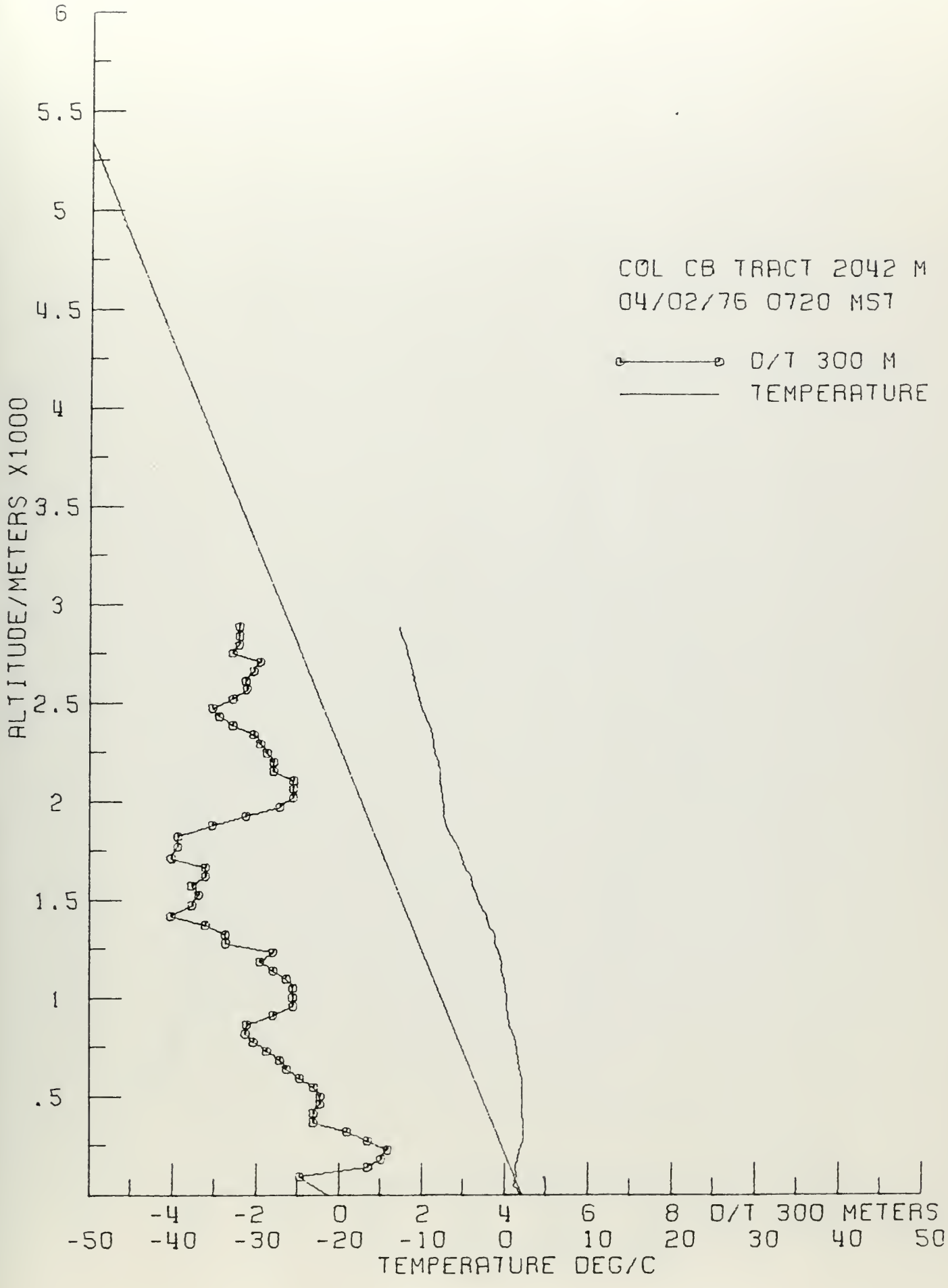
NORMALIZED FREQUENCY DISTRIBUTION

DIRECTION	SPEED (METER/SEC) 0-3	4-6	7-10	11-16	17-21	GREATER THAN 21	AVERAGE SPEED	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.07	0.0	0.0	0.0	0.0	0.0	1.9	0.07
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.04	0.0	0.0	0.0	0.0	0.0	1.2	0.04
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.07	0.11	0.0	0.0	0.0	0.0	3.4	0.19
S	0.04	0.11	0.04	0.04	0.0	0.0	5.3	0.22
SSW	0.0	0.0	0.11	0.04	0.04	0.0	11.1	0.19
SW	0.0	0.11	0.0	0.0	0.0	0.0	4.7	0.11
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.04	0.0	0.0	0.0	0.0	0.0	1.8	0.04
WNW	0.04	0.0	0.0	0.0	0.0	0.0	1.9	0.04
NW	0.0	0.04	0.0	0.0	0.0	0.0	5.9	0.04
NNW	0.0	0.04	0.04	0.0	0.0	0.0	7.4	0.07
AVG SPEED	1.5	4.7	8.5	11.9	17.6	0.0		0.0
TOTAL	0.30	0.41	0.19	0.07	0.04	0.0		1.00

NORMALIZED FREQUENCY DISTRIBUTION INDEPENDENT OF STABILITY

RELATIVE FREQUENCY OF CALM 0.0

A TOTAL OF 0 SOUNDINGS FROM A SAMPLE OF 27 SOUNDINGS DID NOT HAVE 500 M OF TEMP AND WIND DATA


COL CB TRACT 2042 M
04/02/76 0720 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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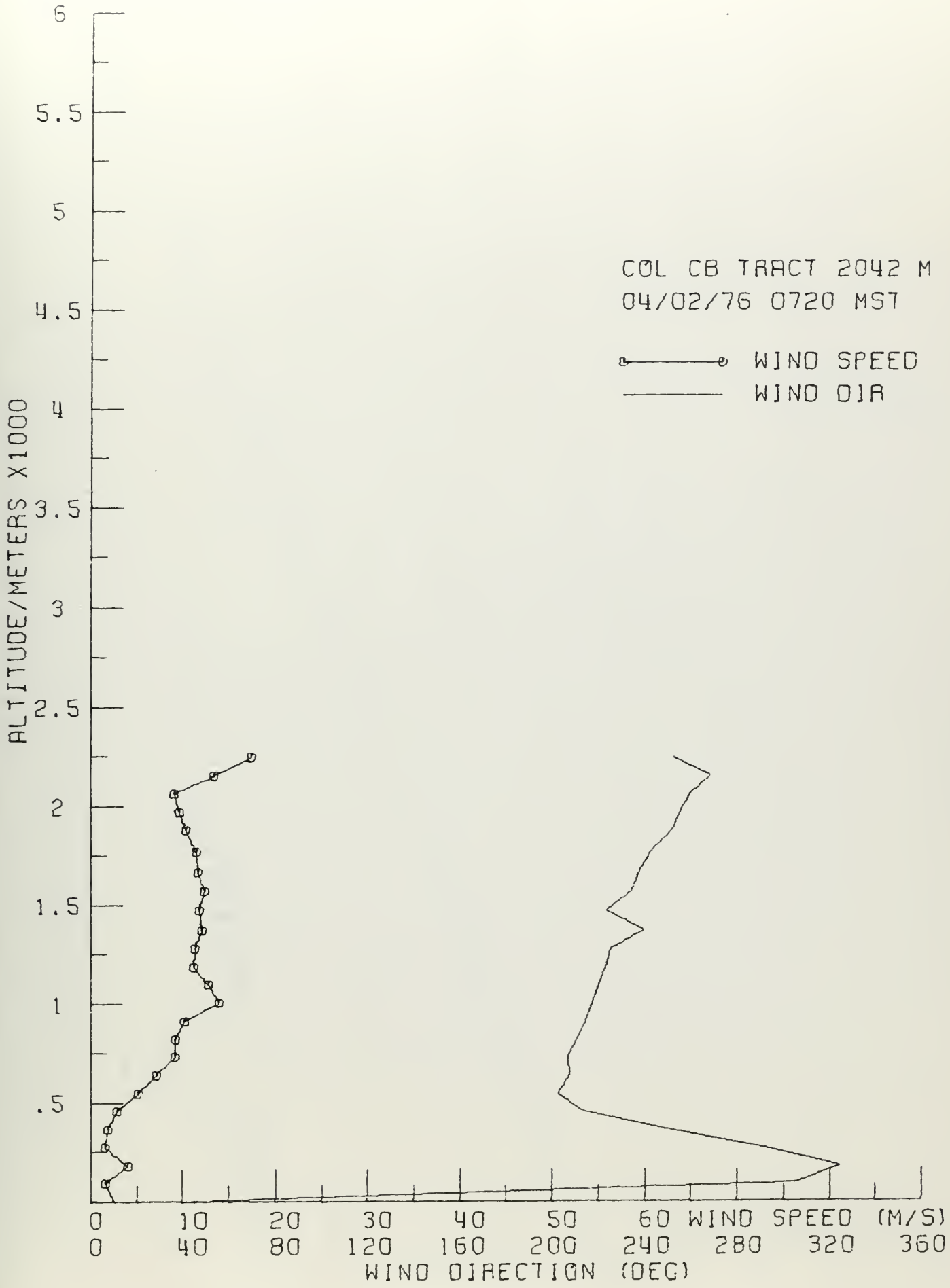
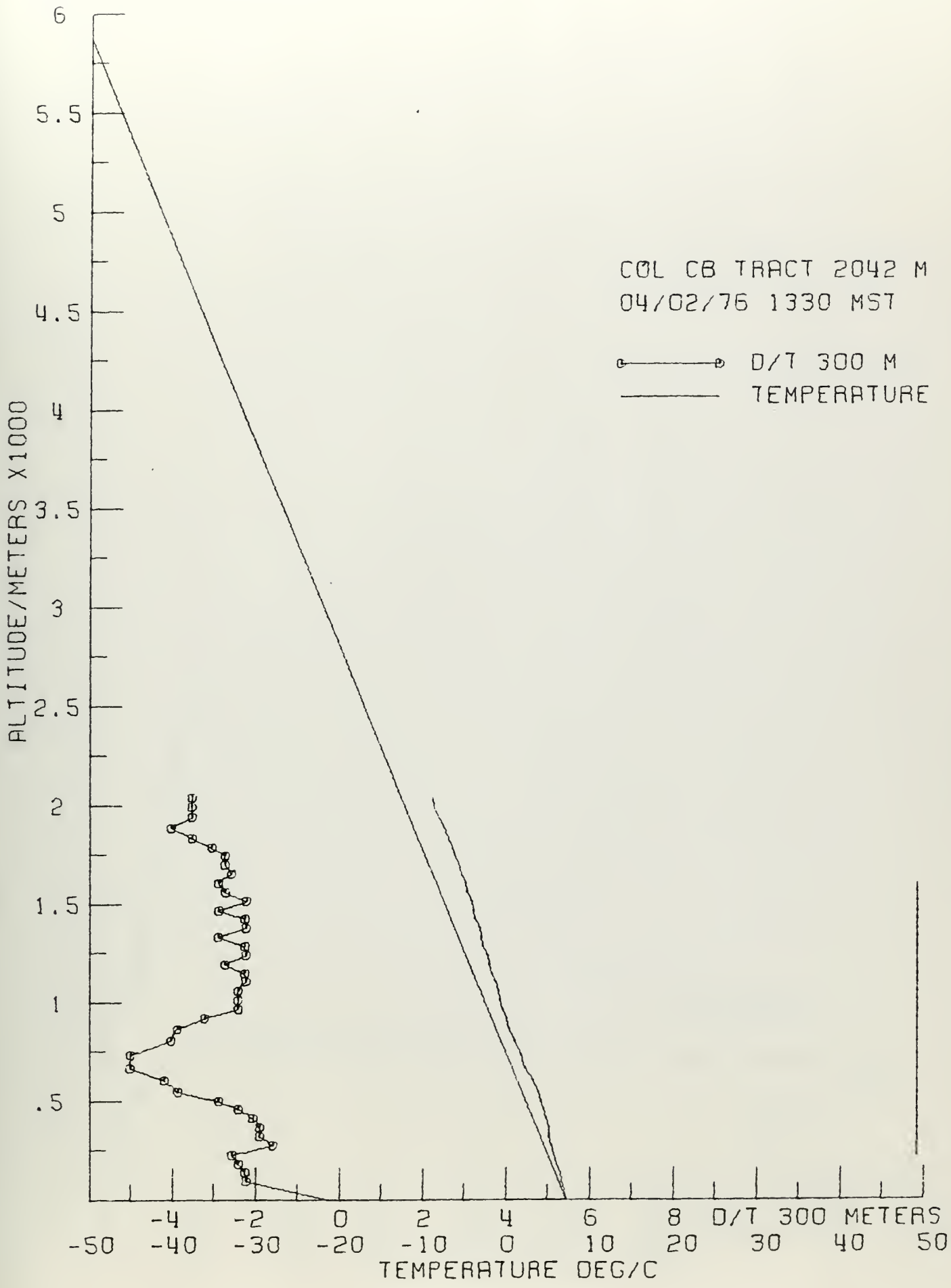
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/02/76 0720 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/02/76 1330 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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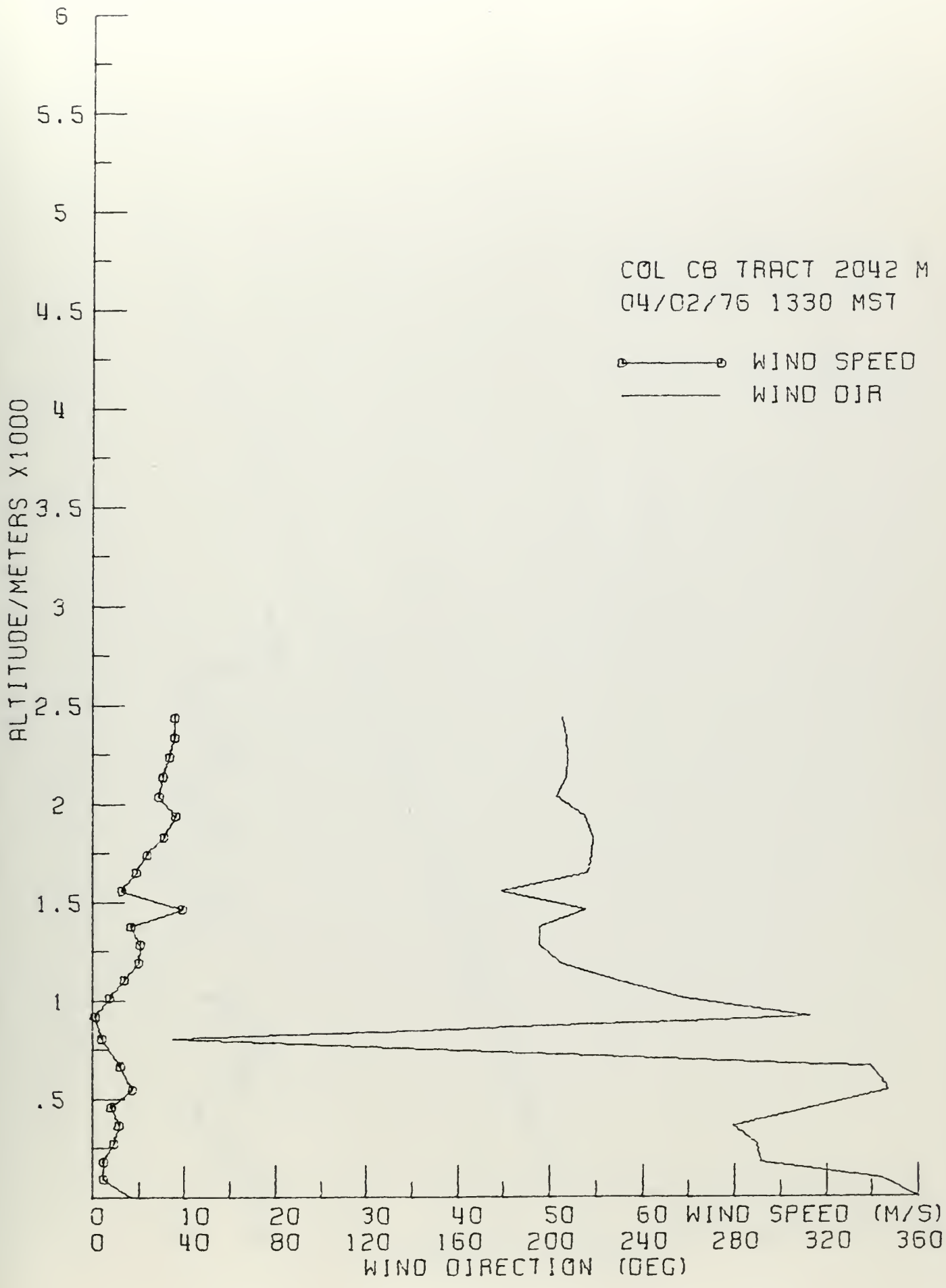
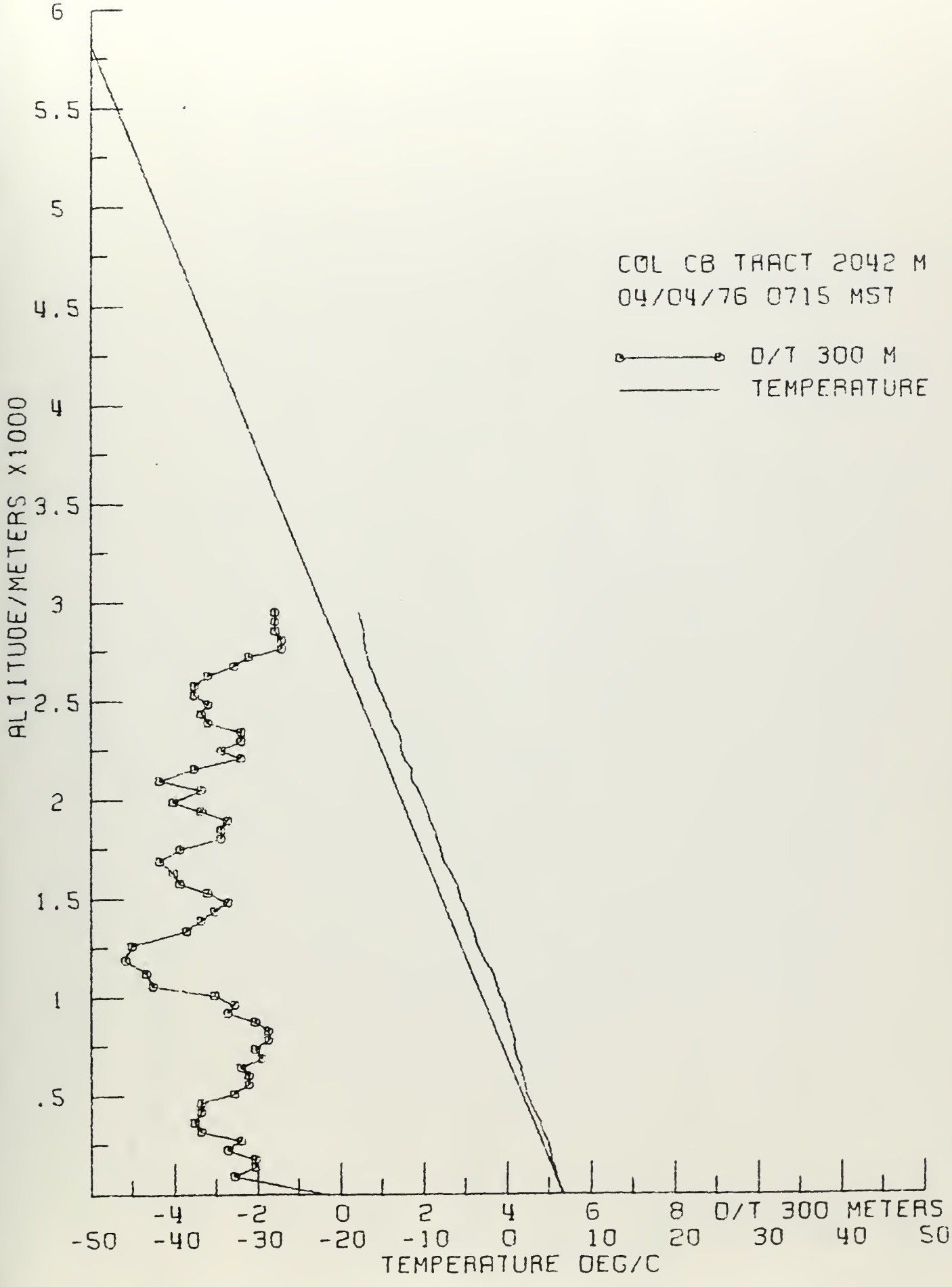
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/02/76 1330 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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04/04/76 0715 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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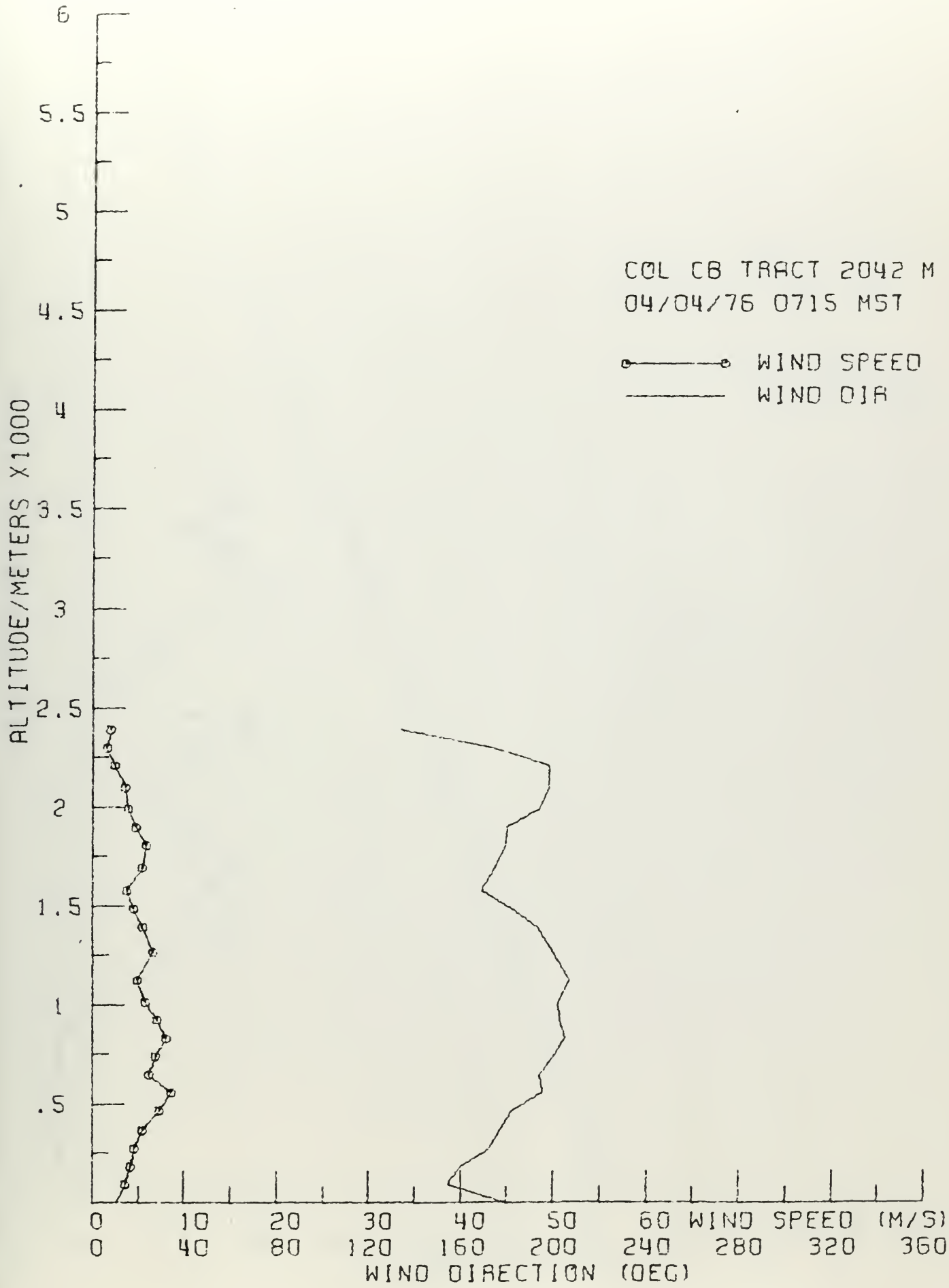
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/04/76 0715 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
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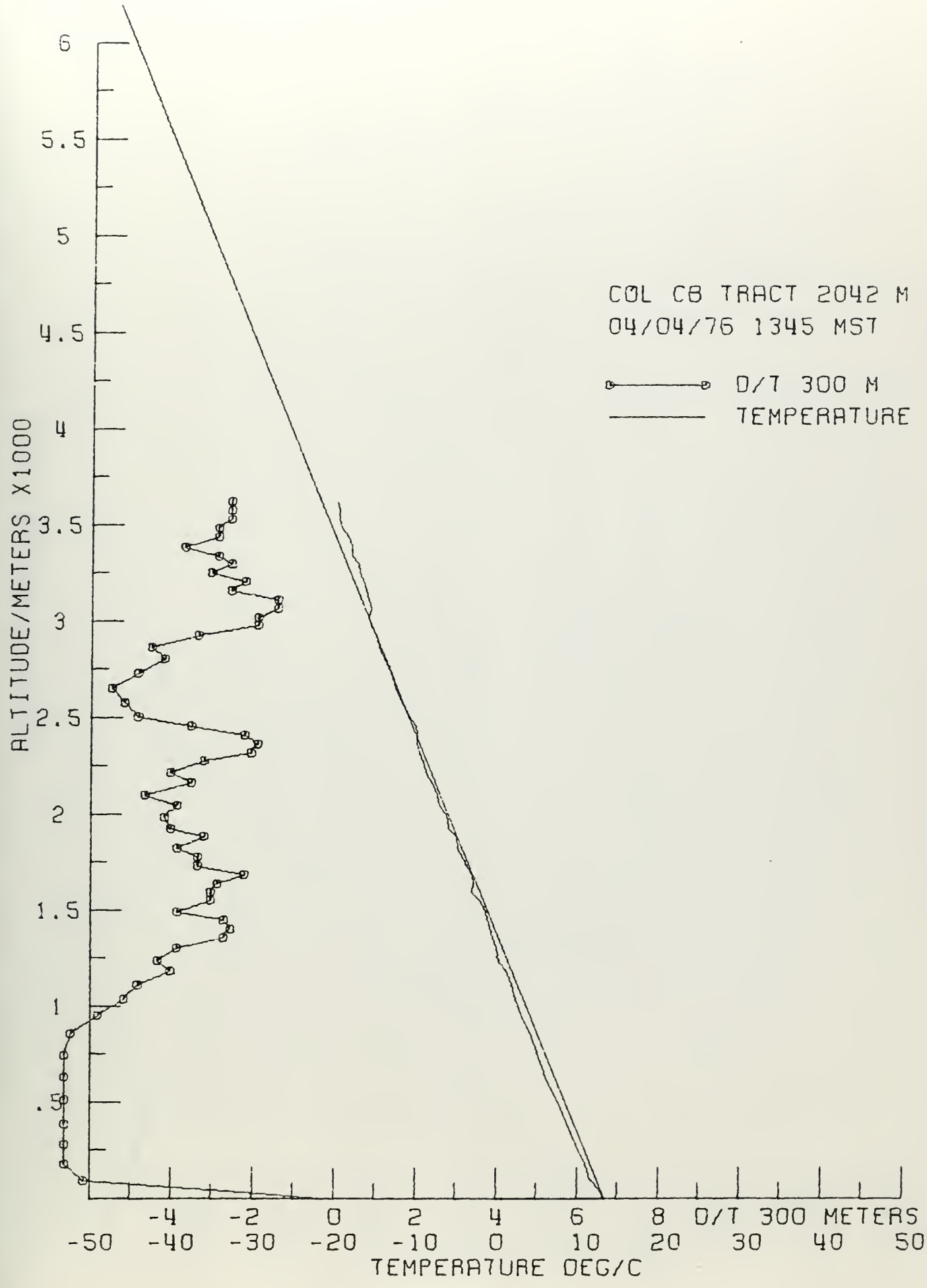
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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04/04/76 1345 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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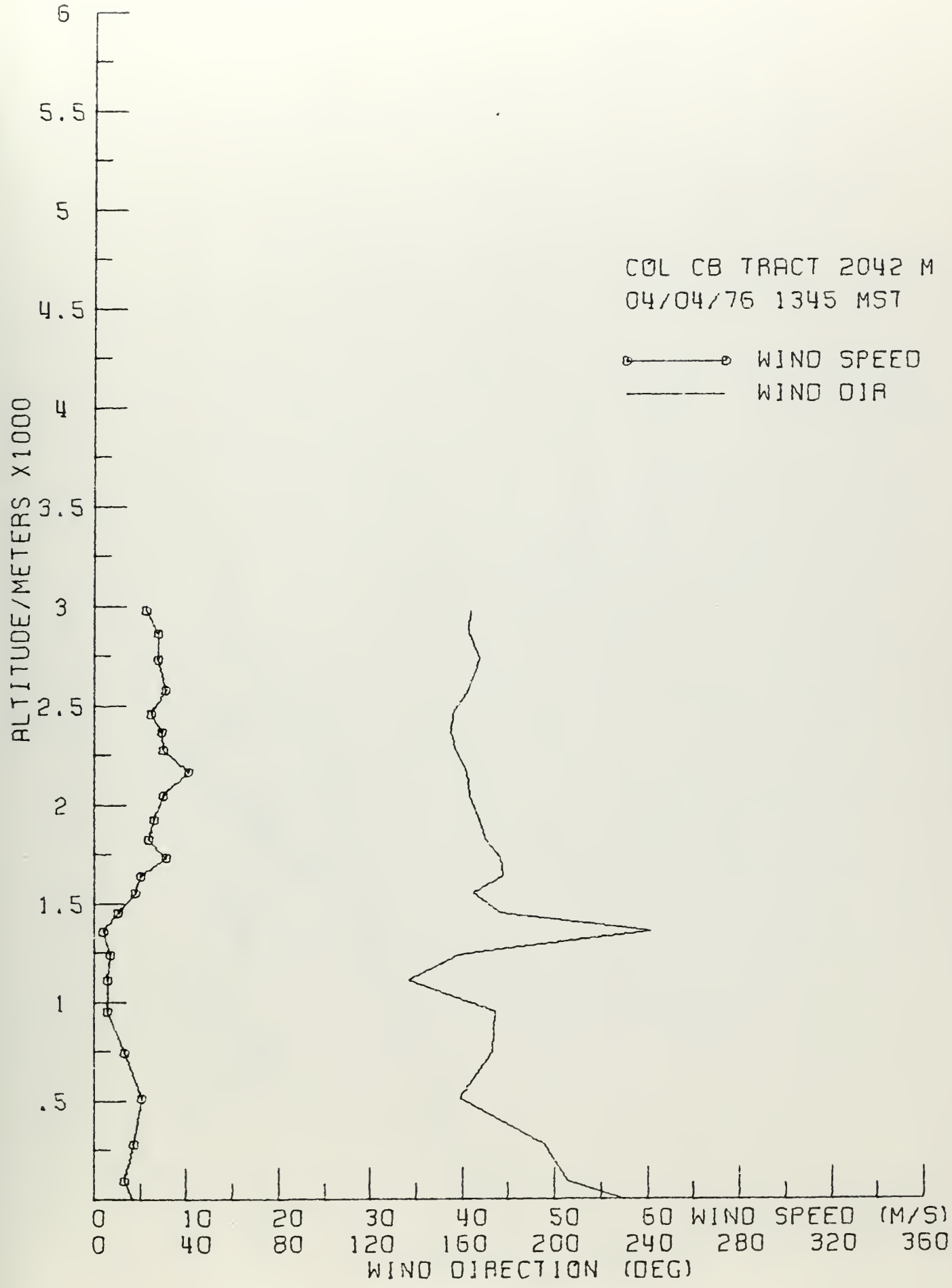
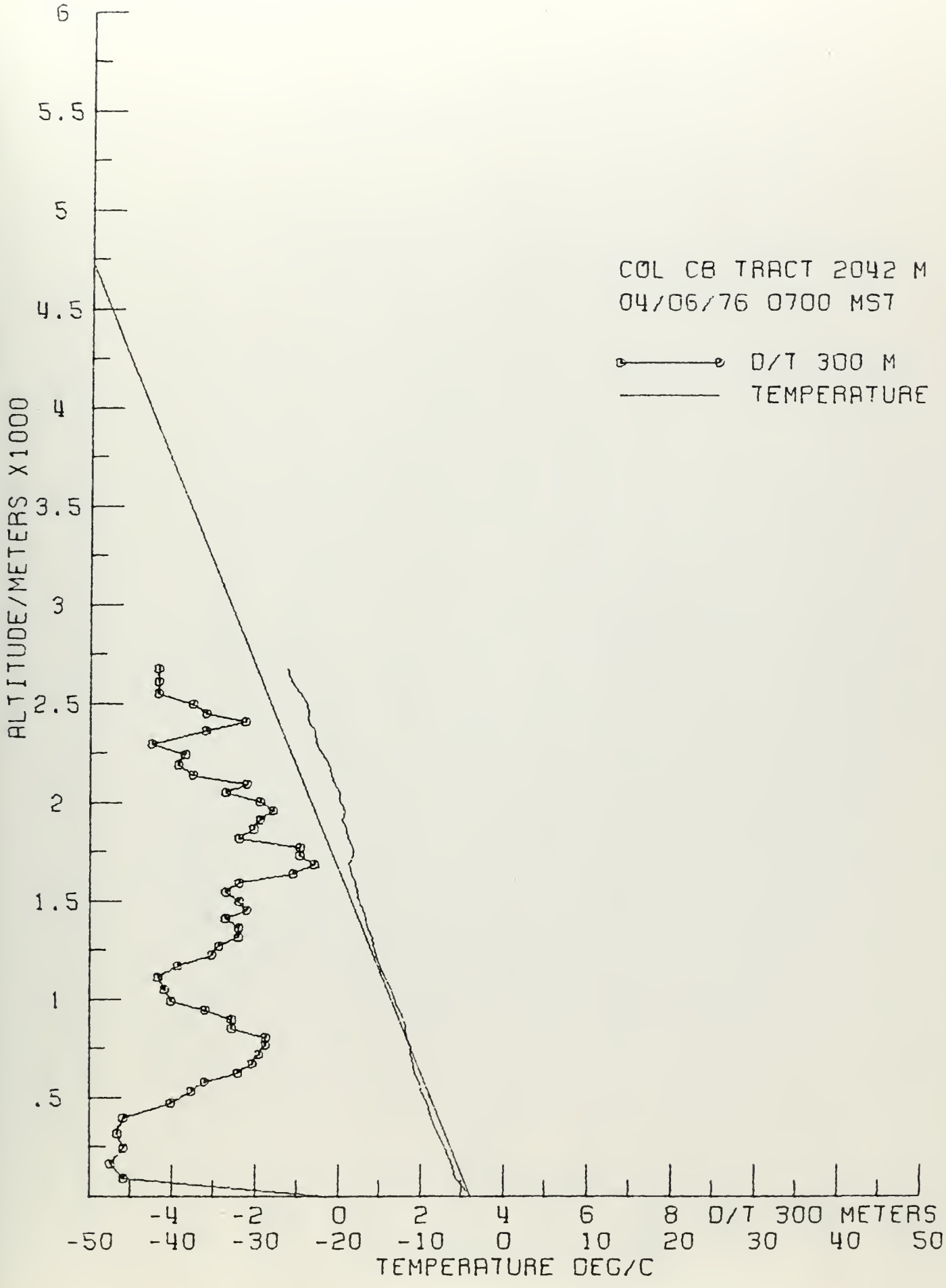
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/04/76 1345 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/06/76 0700 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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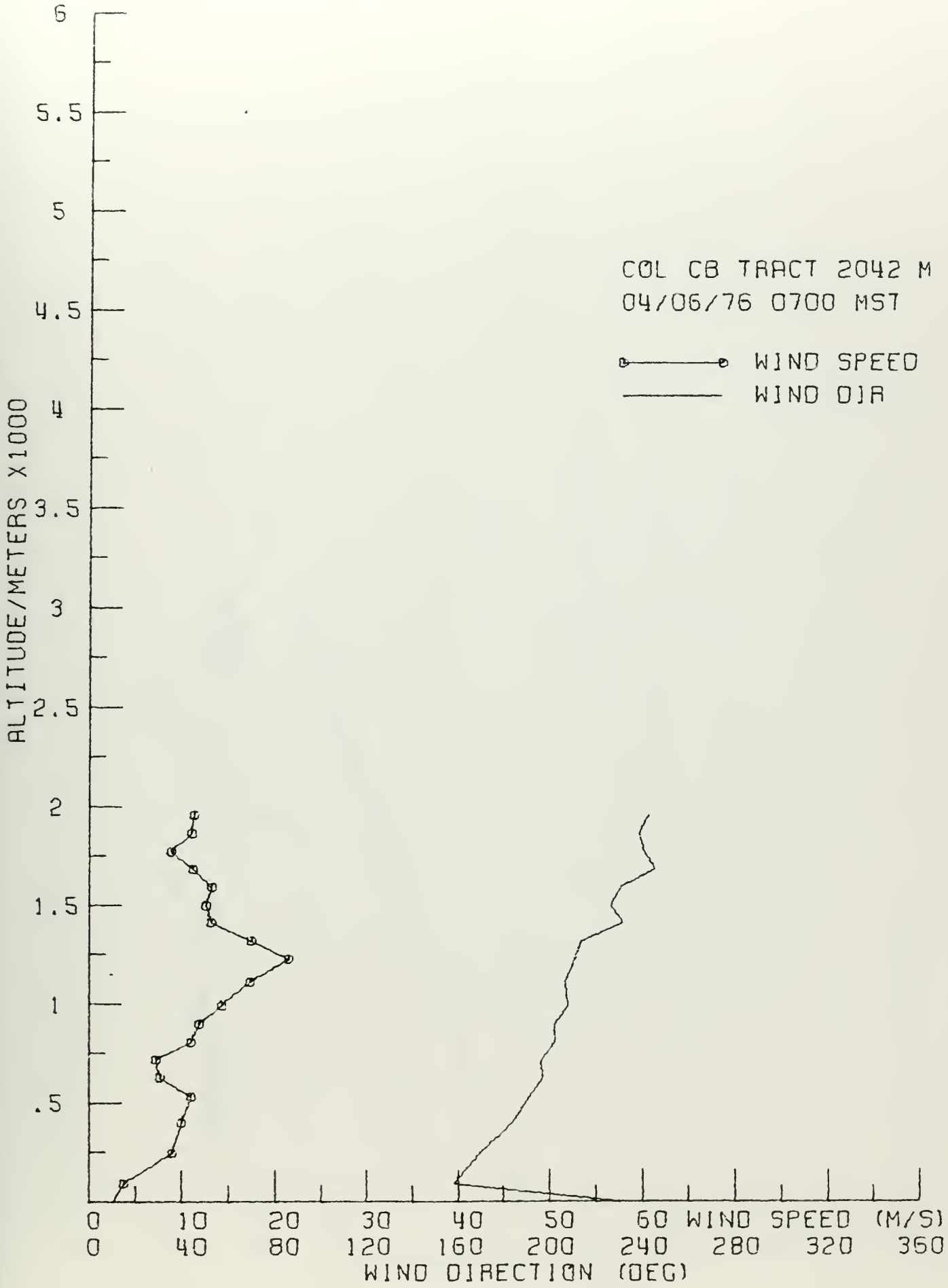
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C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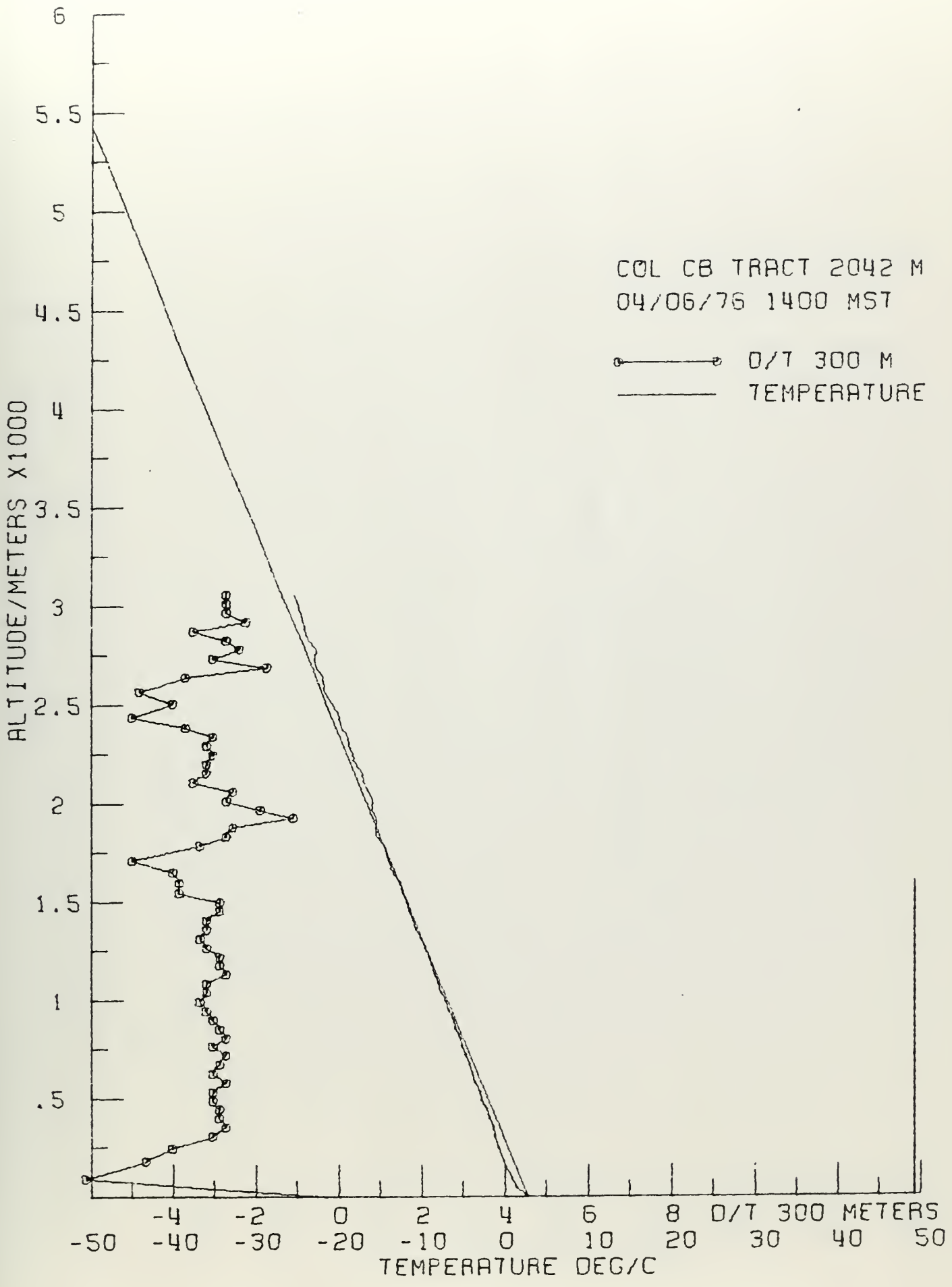
04/06/76 0700 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/06/76 1400 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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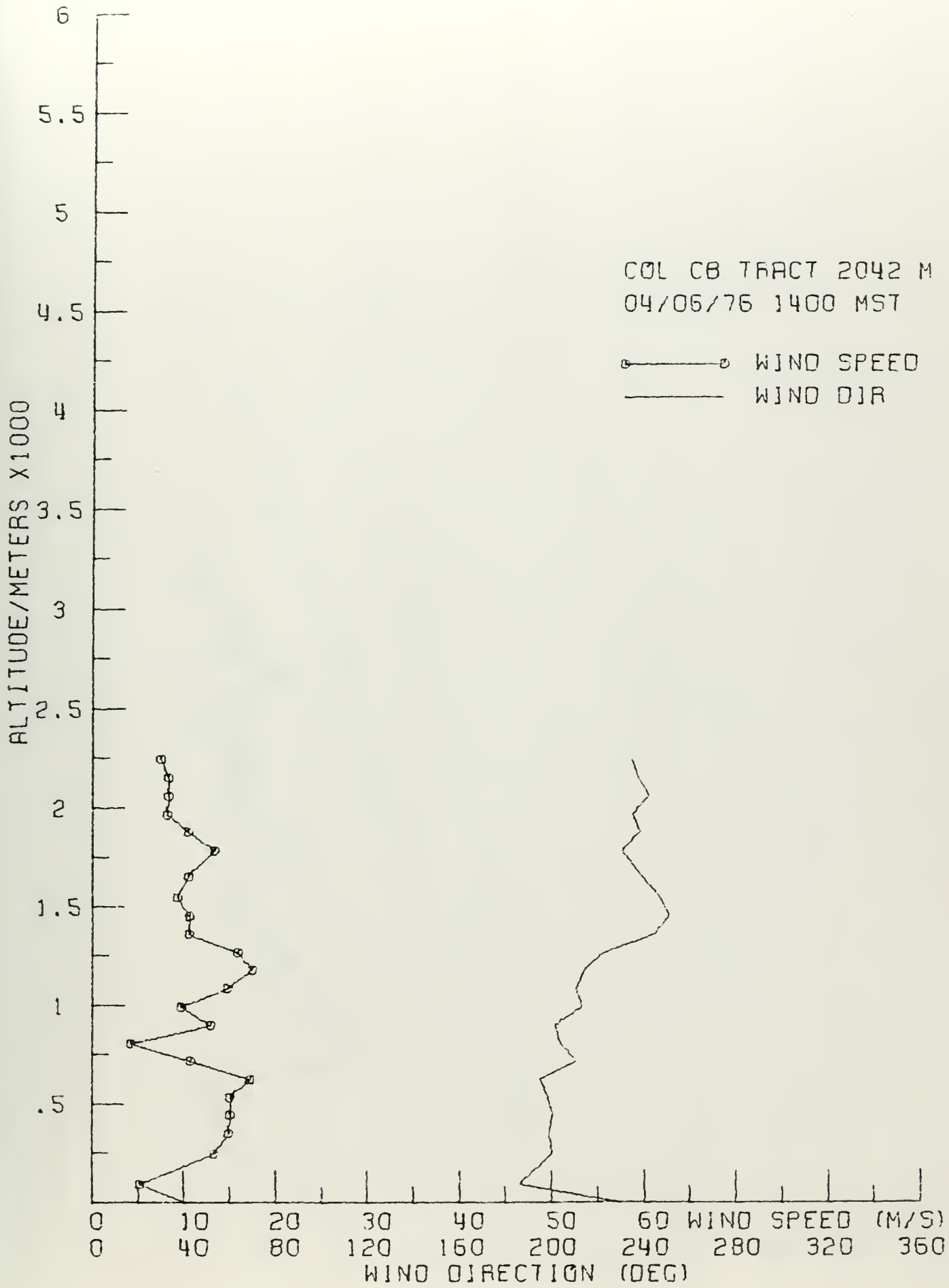
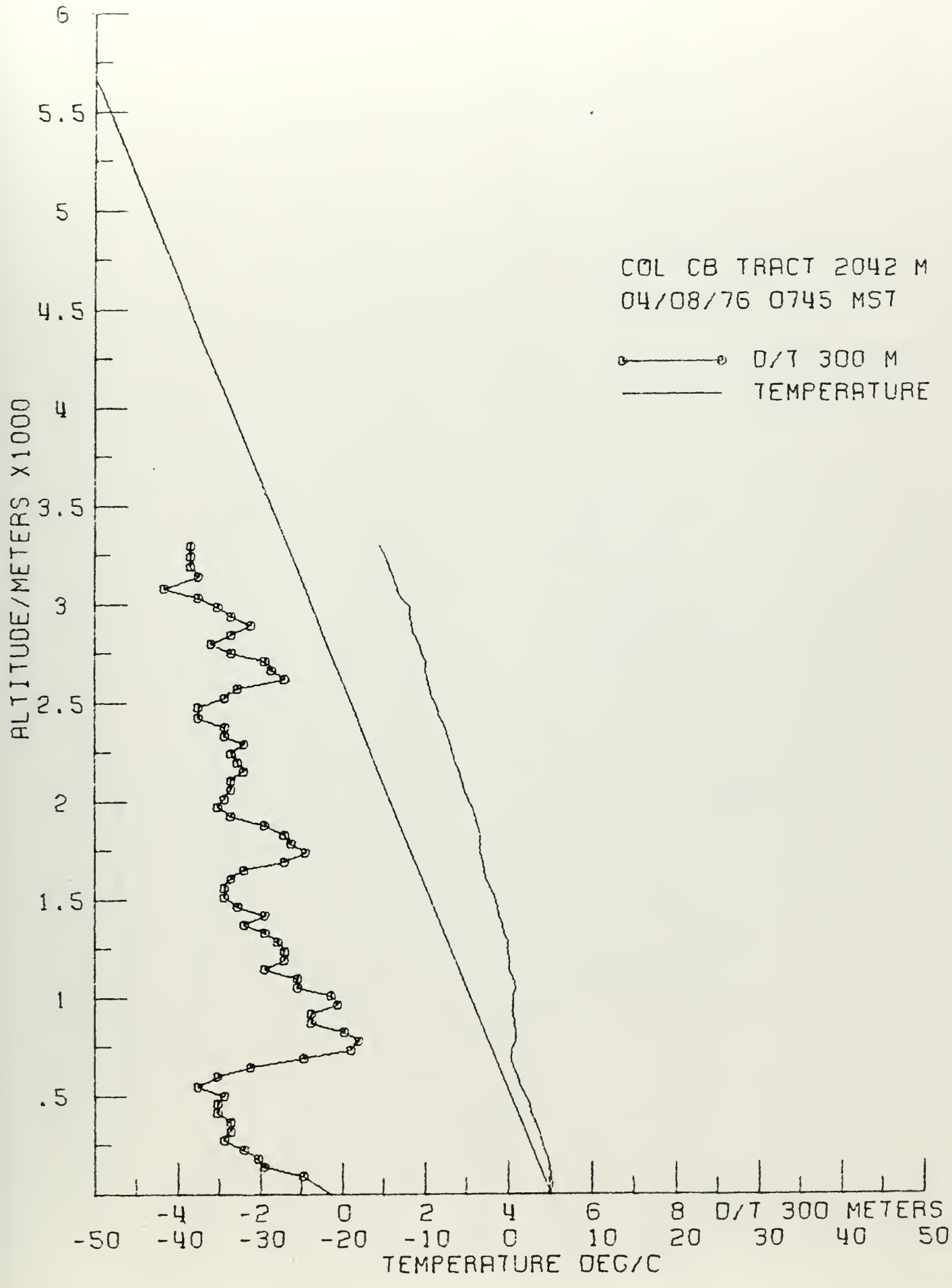
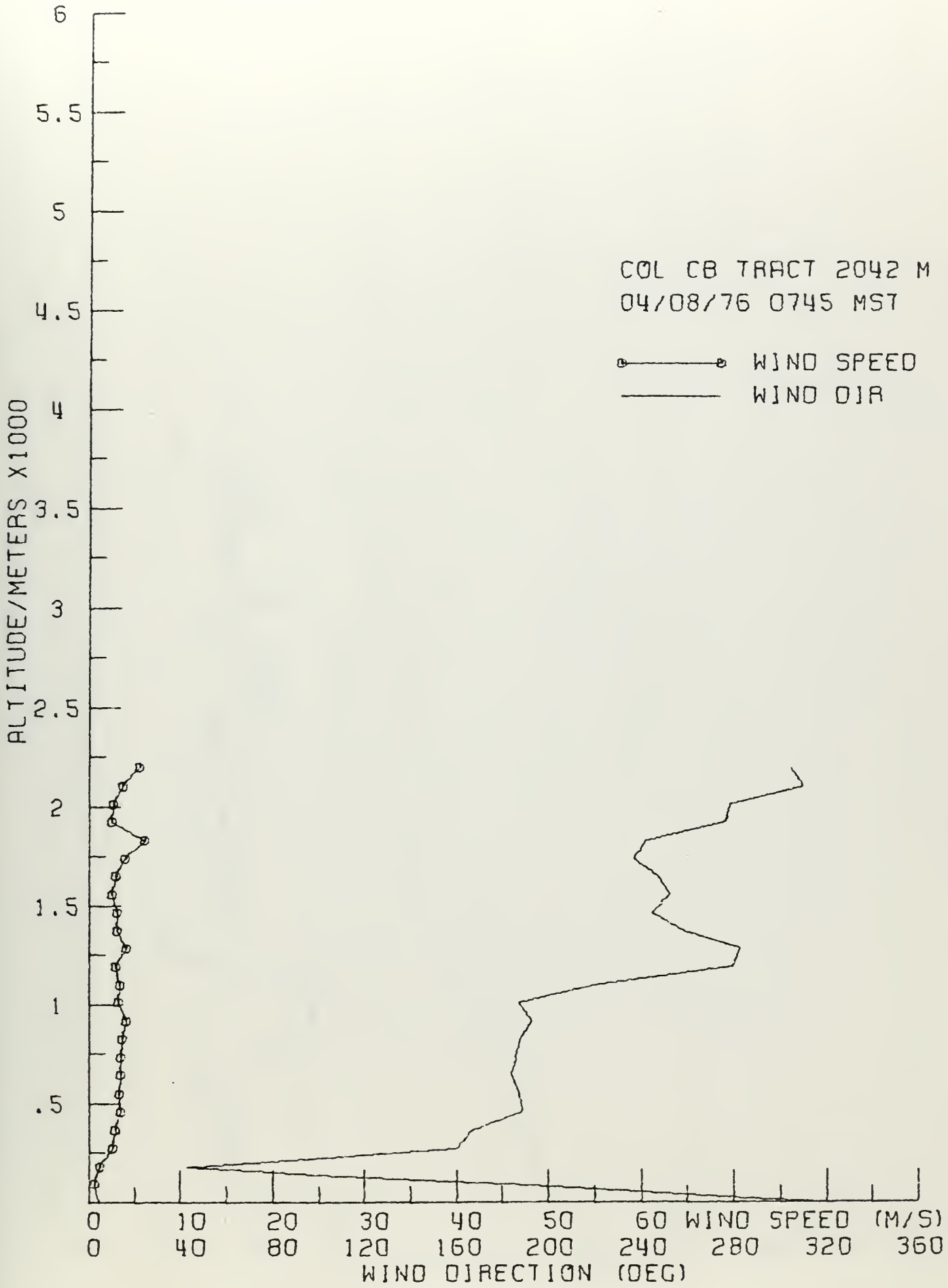
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/06/76 1400 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/08/76 0745 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C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04/08/76 0745 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
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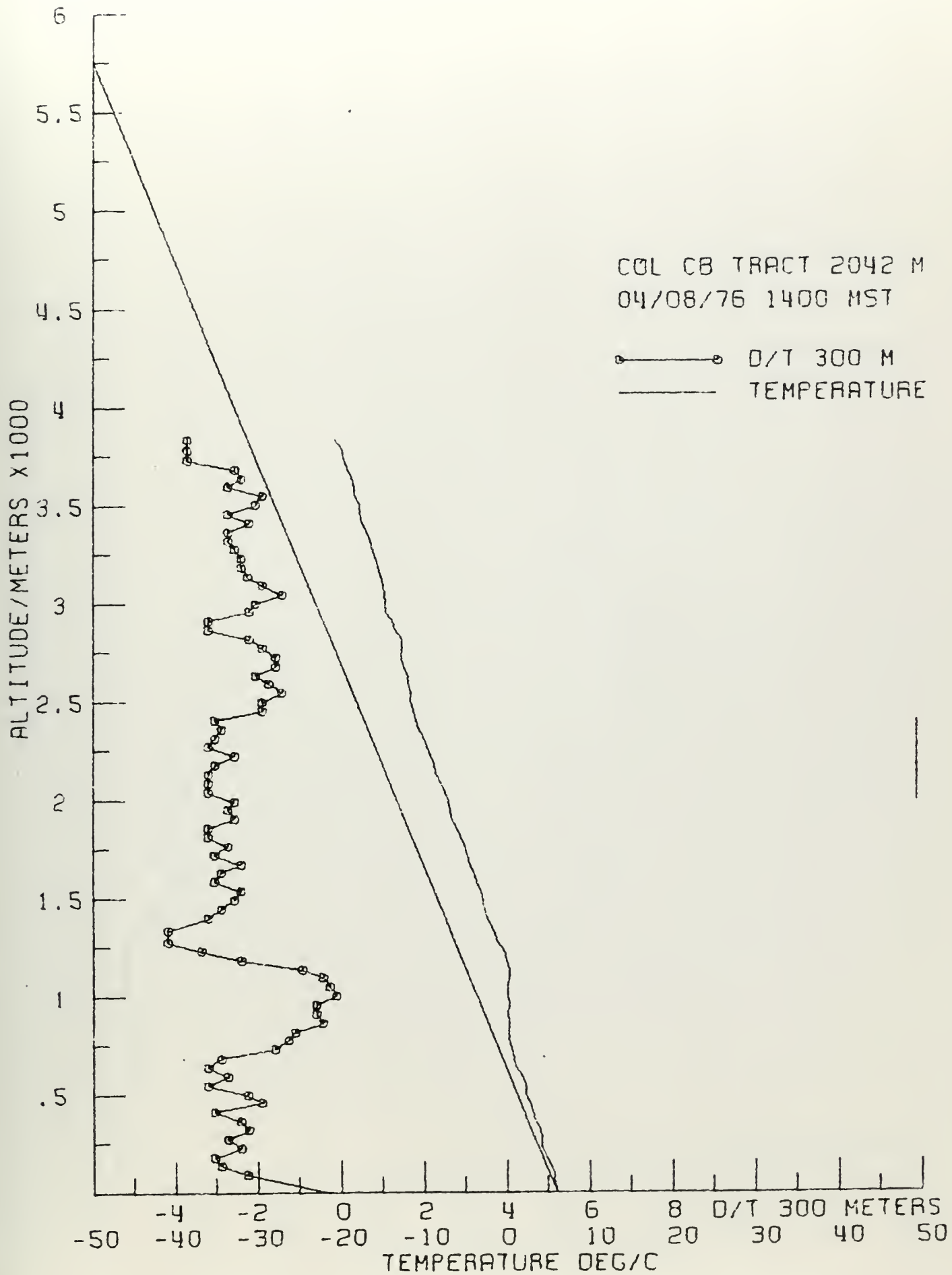
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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04/08/76 1400 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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2.5
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1.5
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-4
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2
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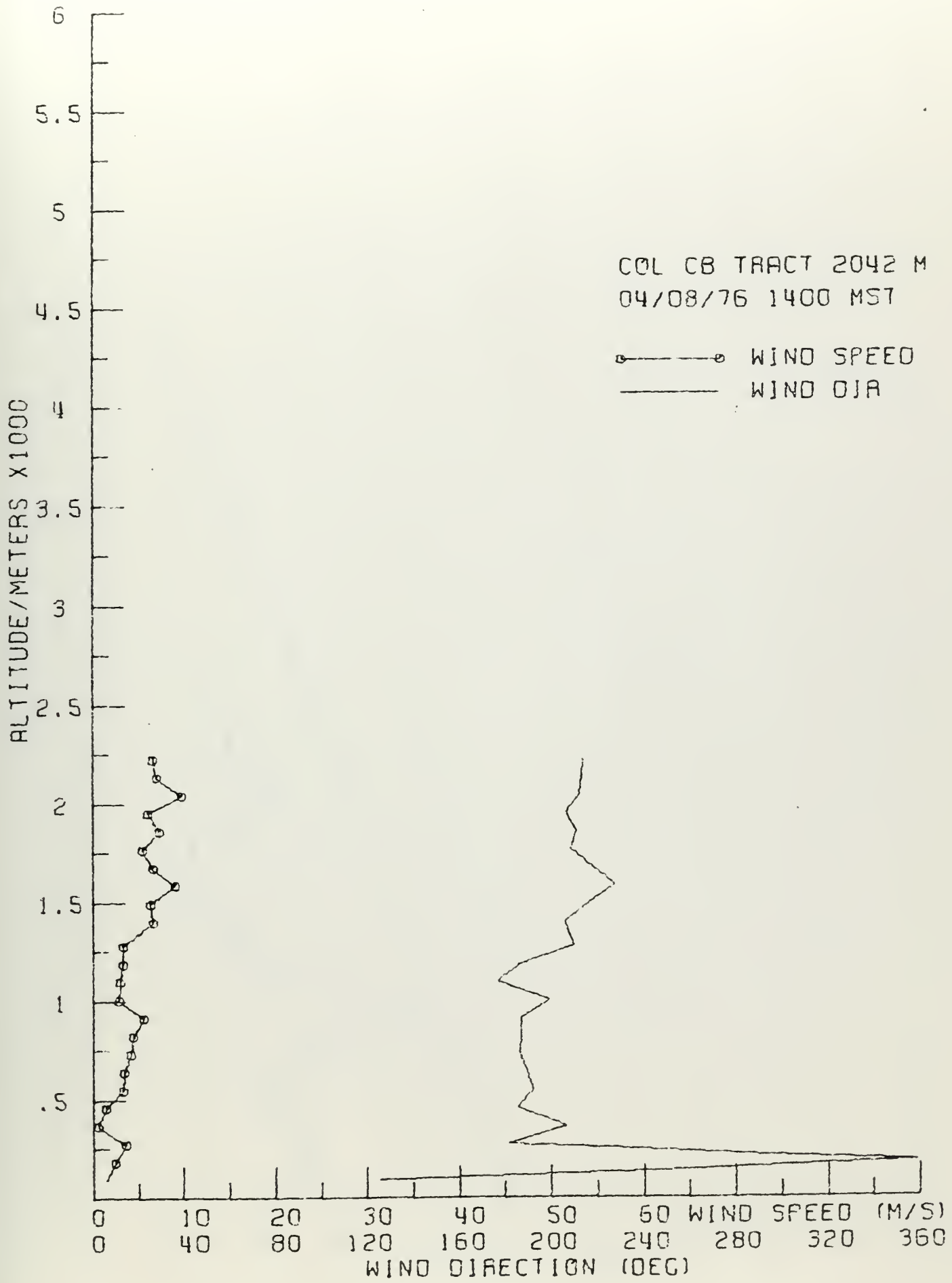
TEMPERATURE DEG/C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04/08/76 1400 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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3.5
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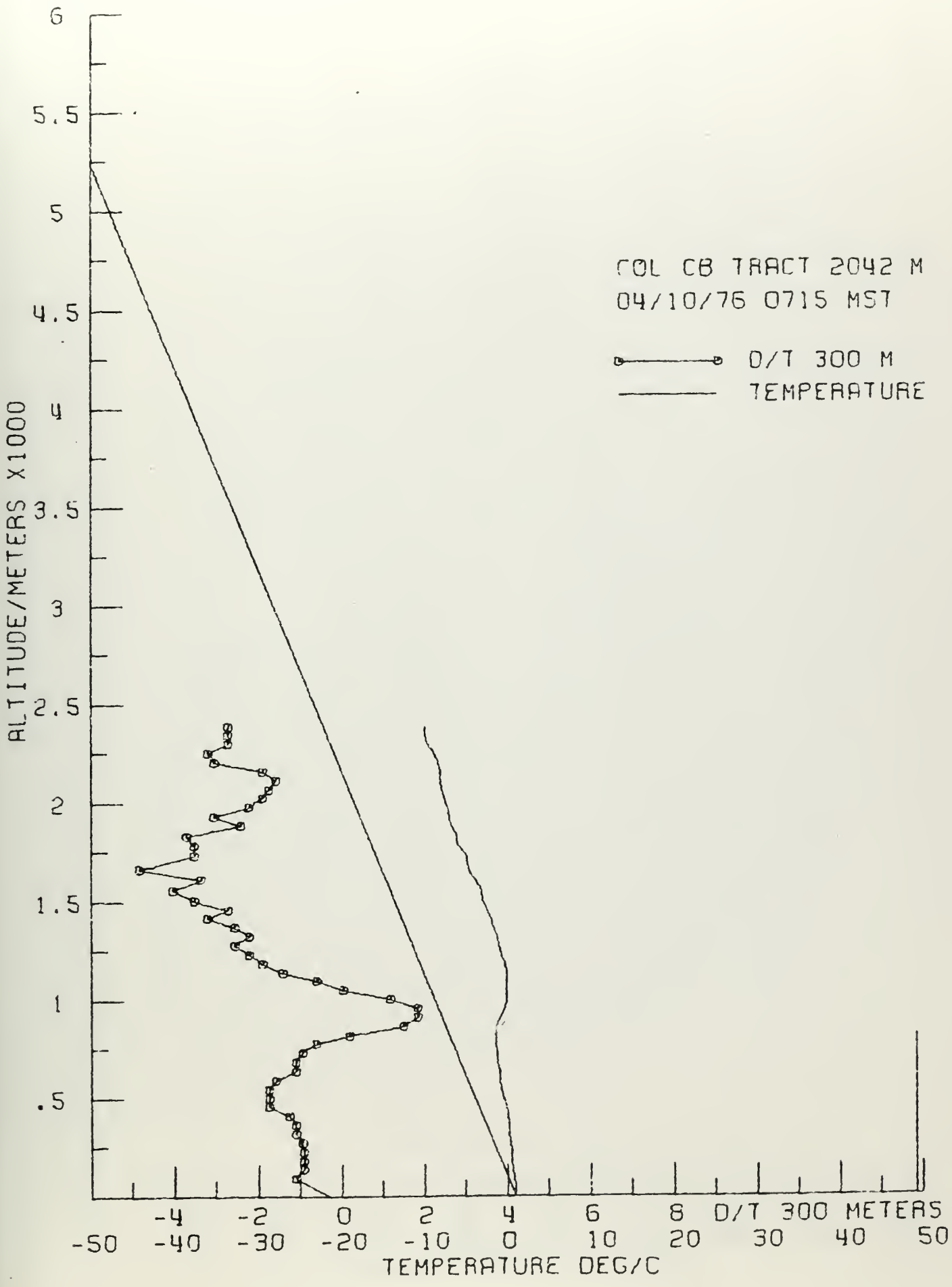
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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4
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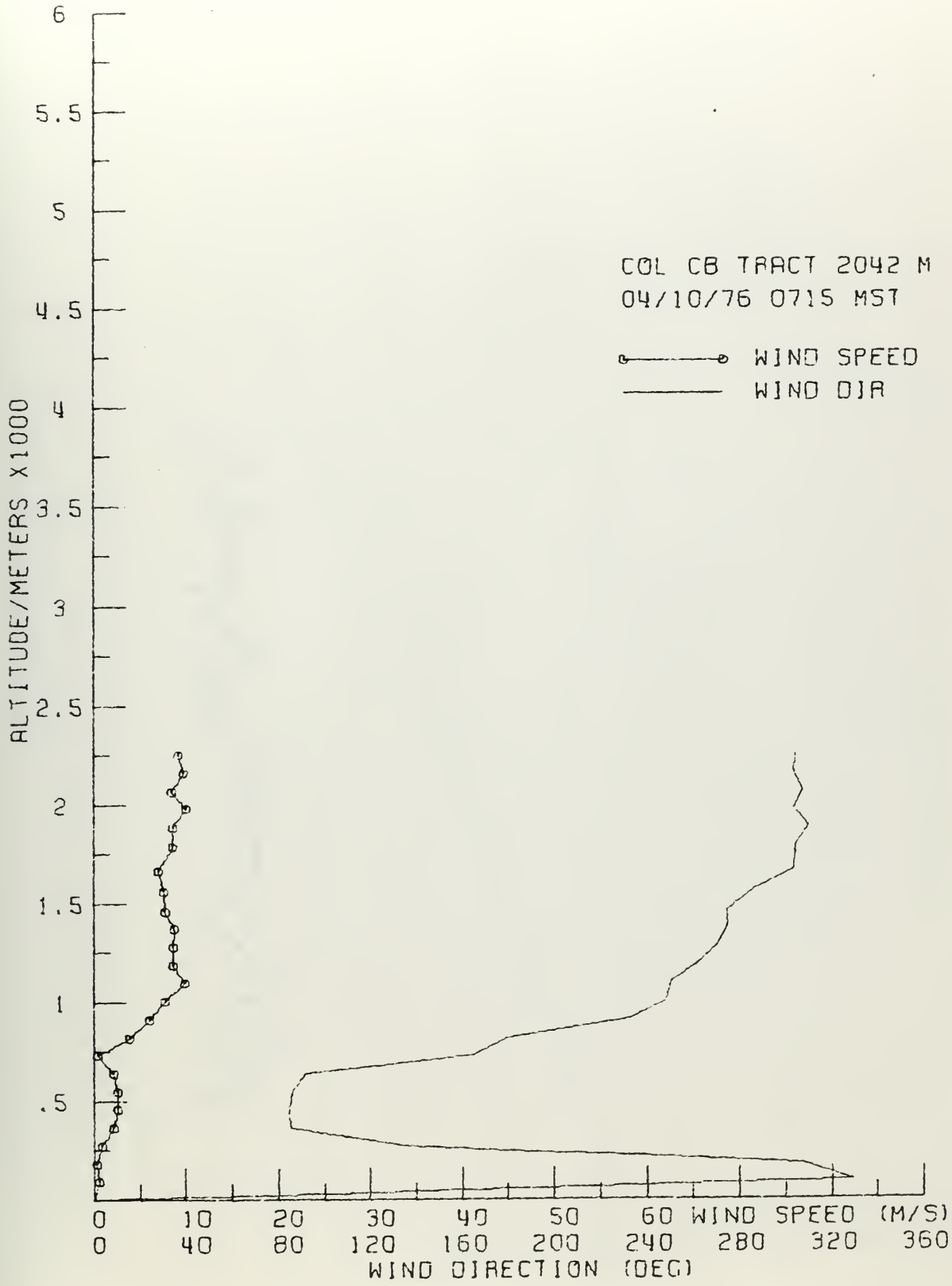
TEMPERATURE DEG/C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04/10/76 0715 MST
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WIND DIR
ALTITUDE/METERS X1000
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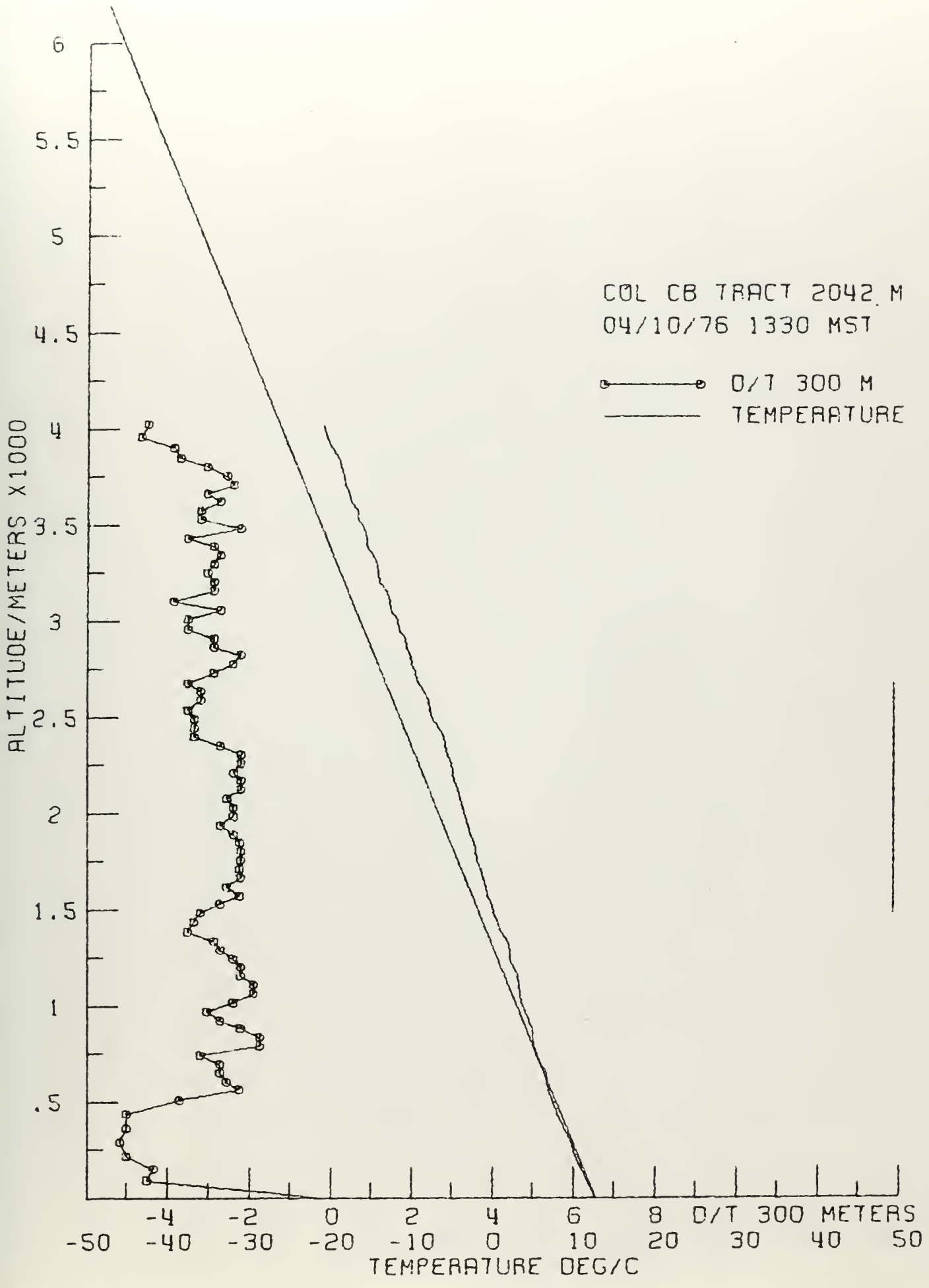
WIND DIRECTION (DEG)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D/T 300 M
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ALTITUDE/METERS X1000
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-4
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0
2
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D/T 300 METERS
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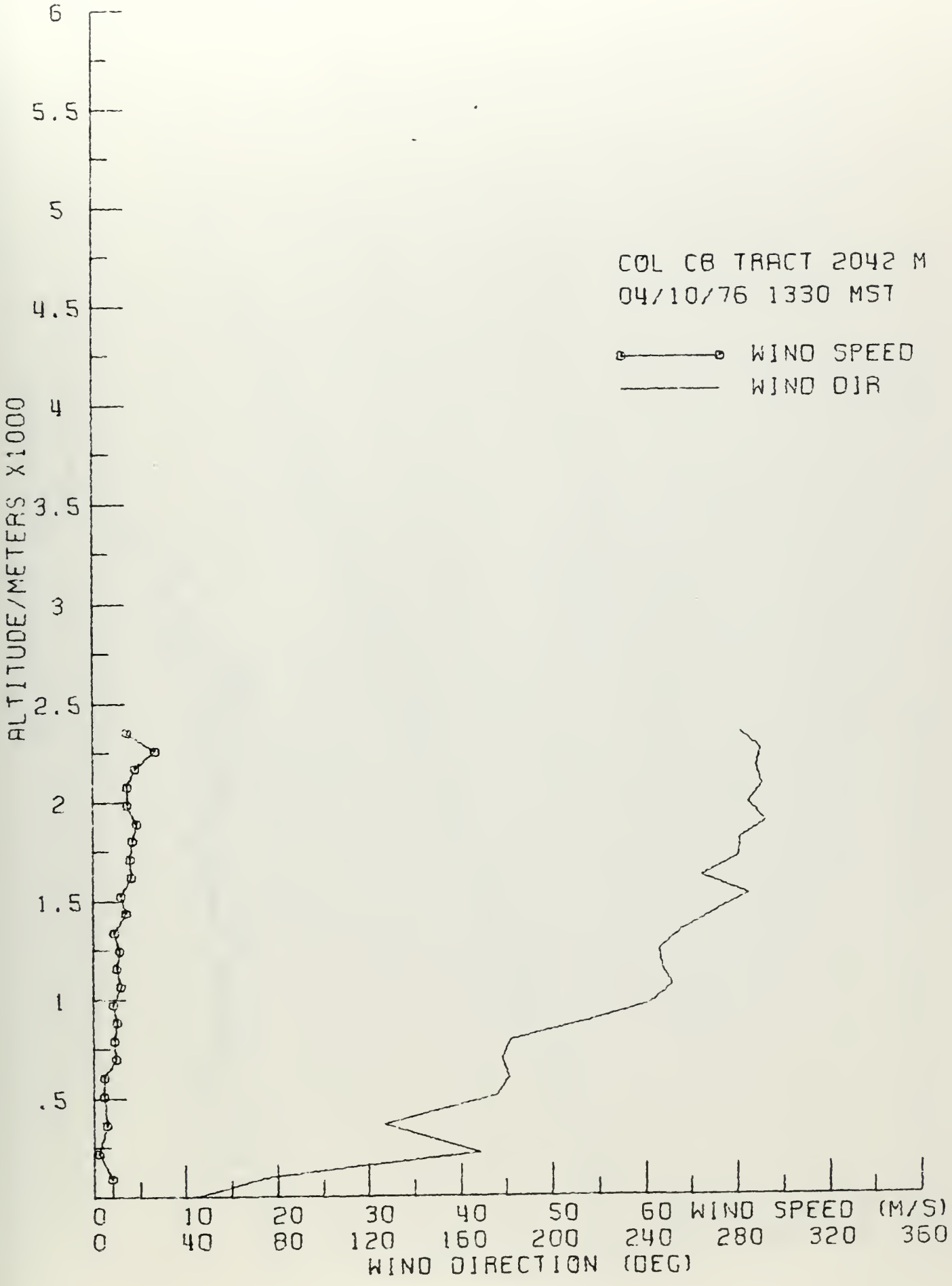
50
TEMPERATURE DEG/C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04/10/76 1330 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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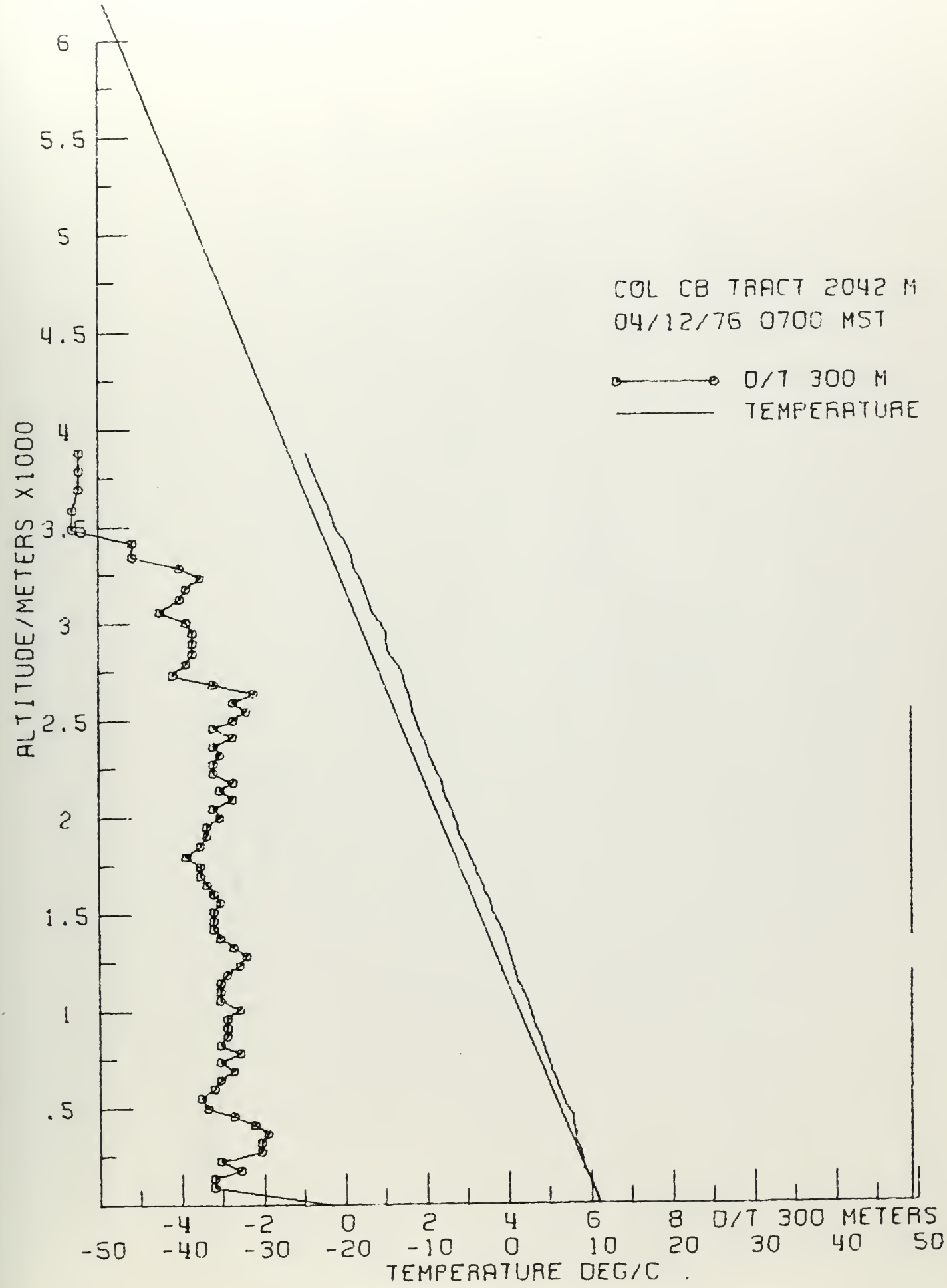
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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ALTITUDE/METERS X1000
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-4
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O/T 300 METERS
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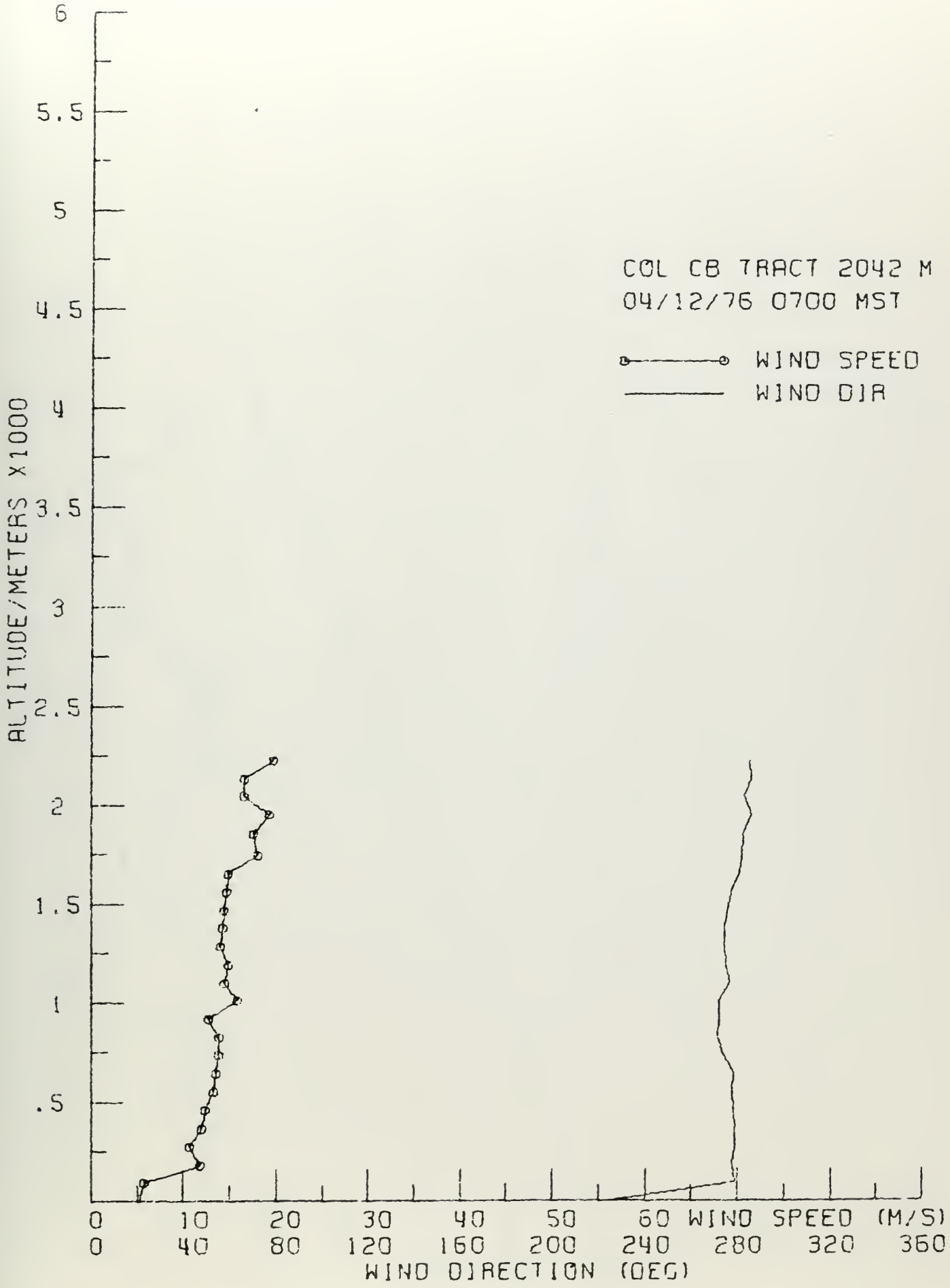
TEMPERATURE DEG/C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04/12/76 0700 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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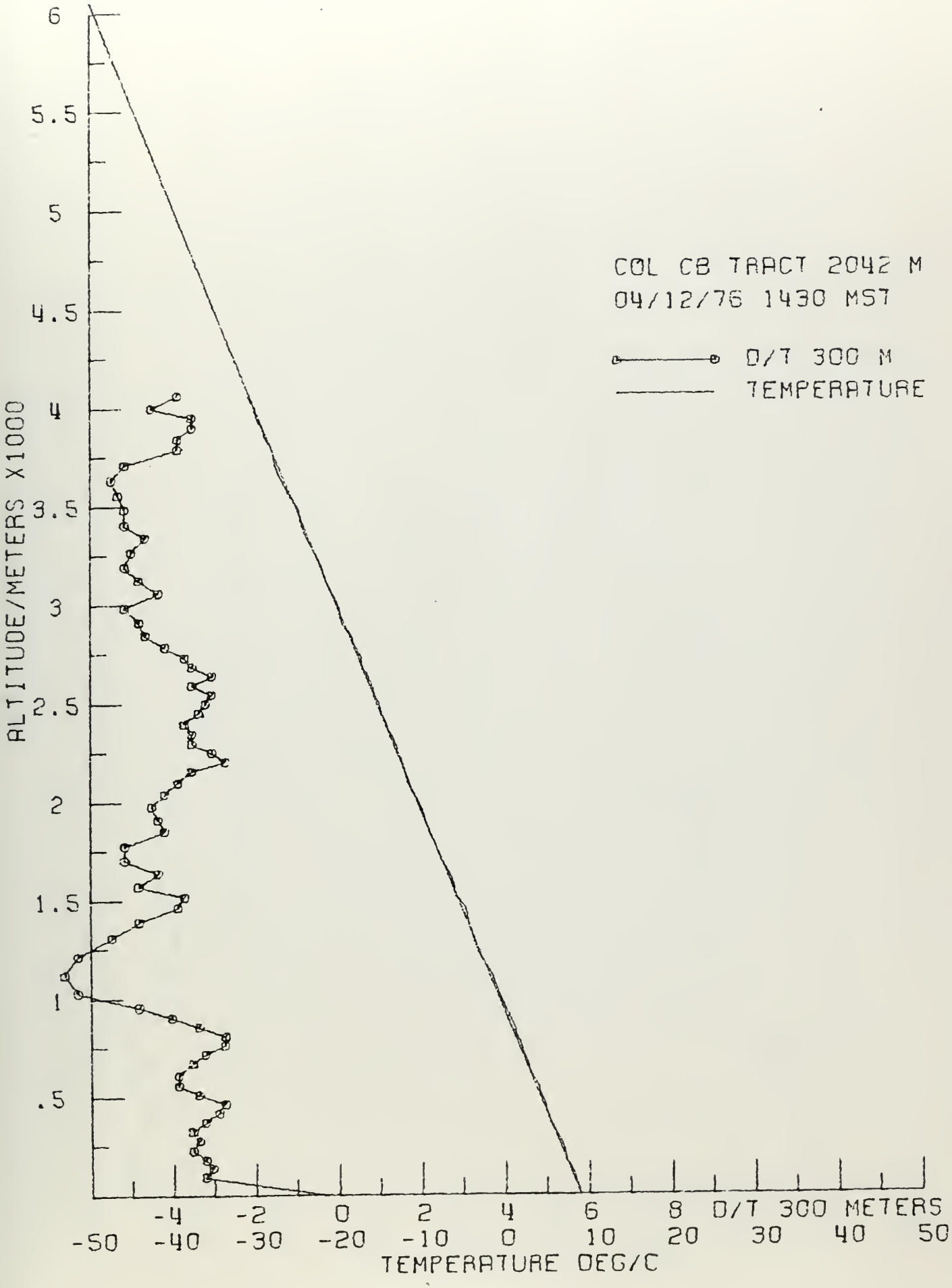
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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04/12/76 1430 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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D/T 300 METERS
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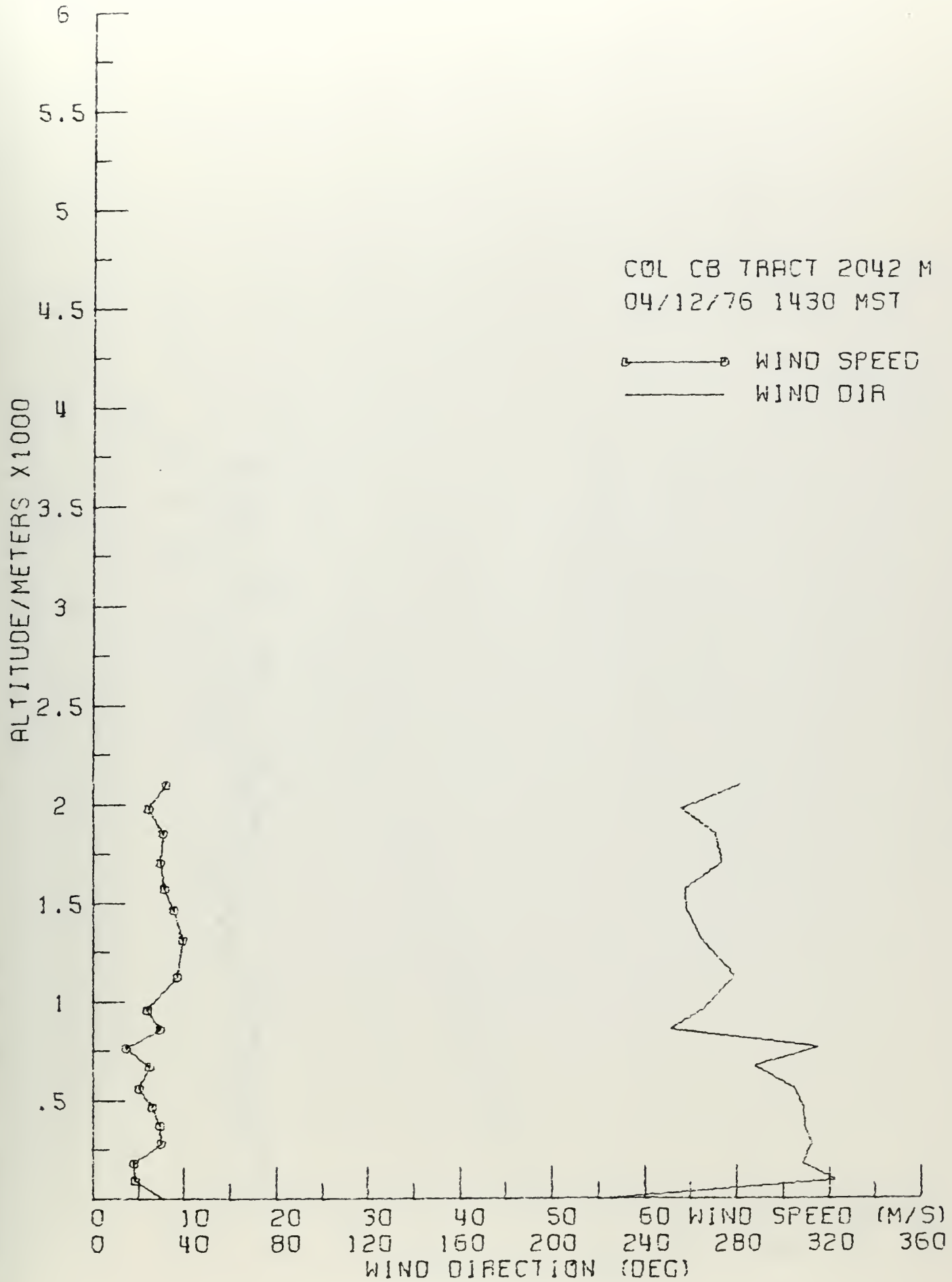
TEMPERATURE DEG/C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04/12/76 1430 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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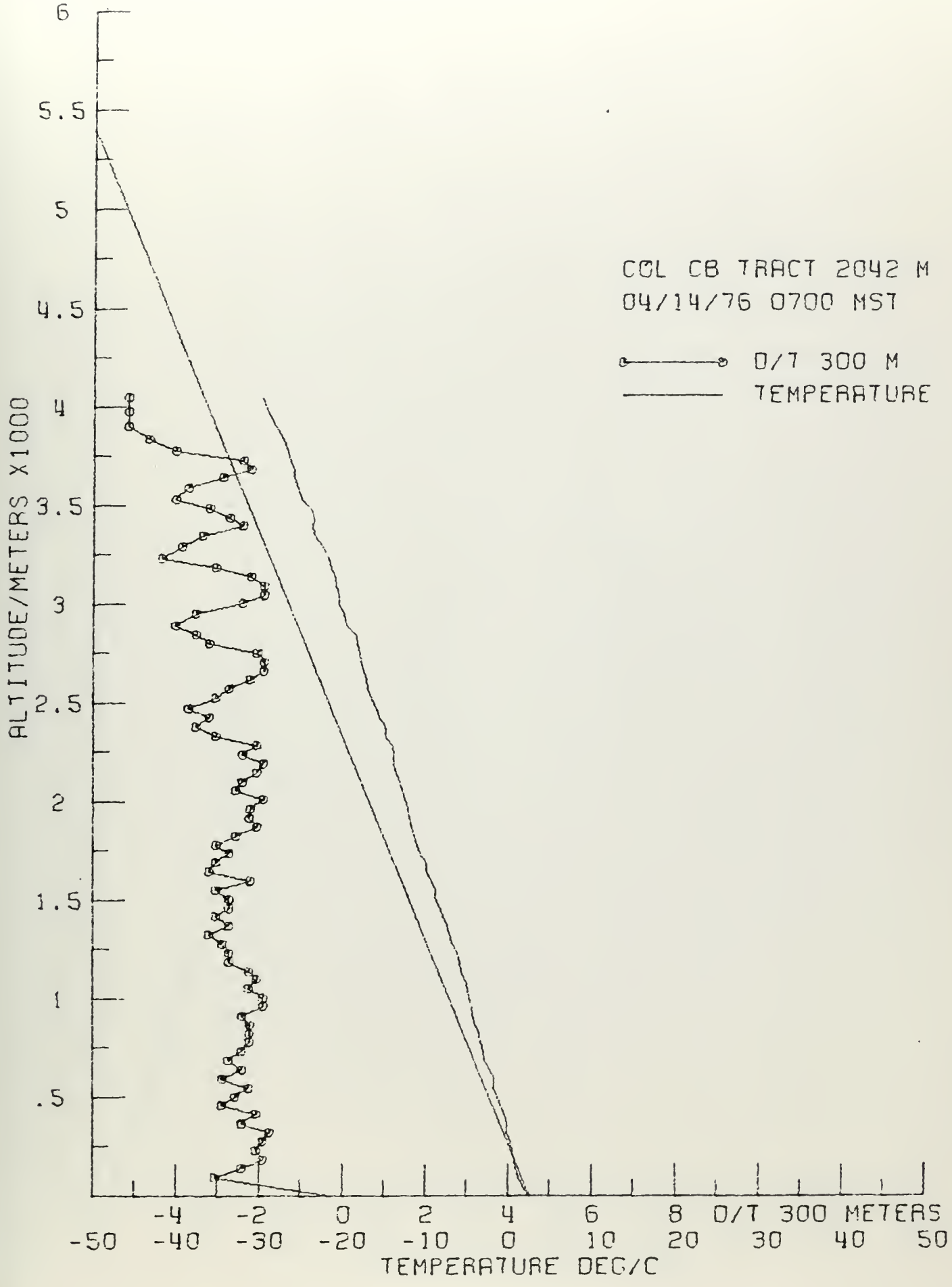
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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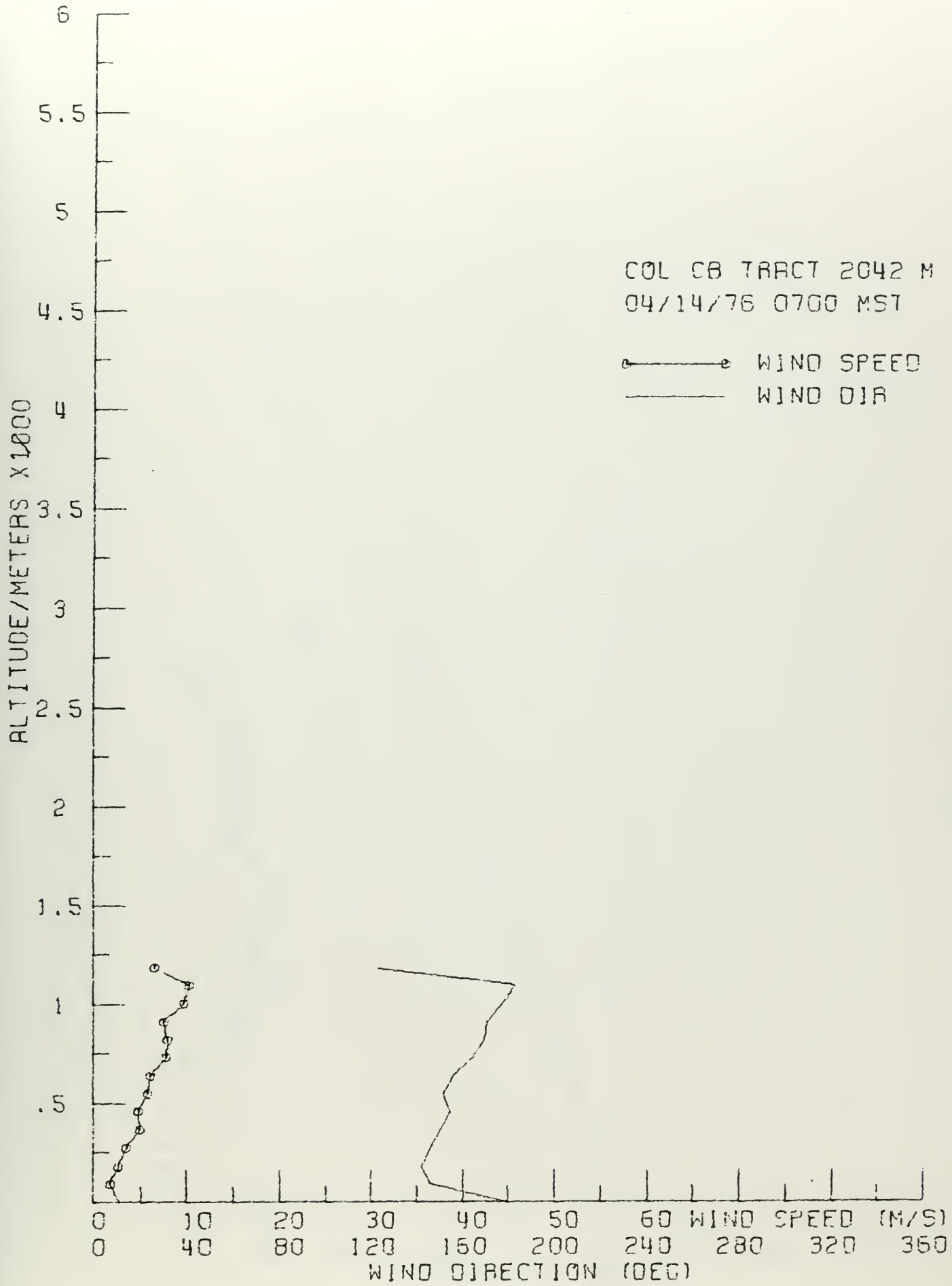
TEMPERATURE DEG/C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04/14/76 0700 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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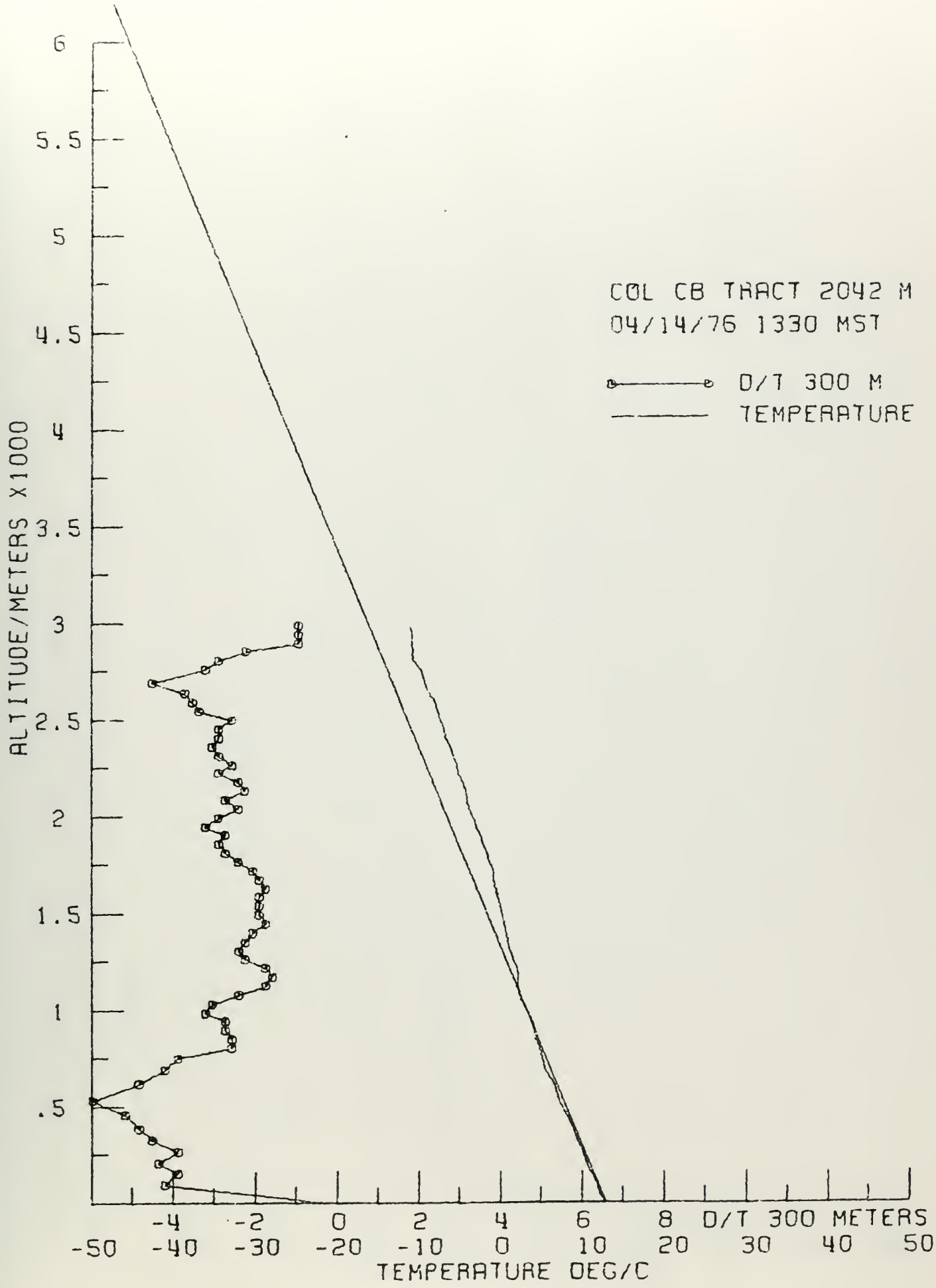
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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04/14/76 1330 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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D/T 300 METERS
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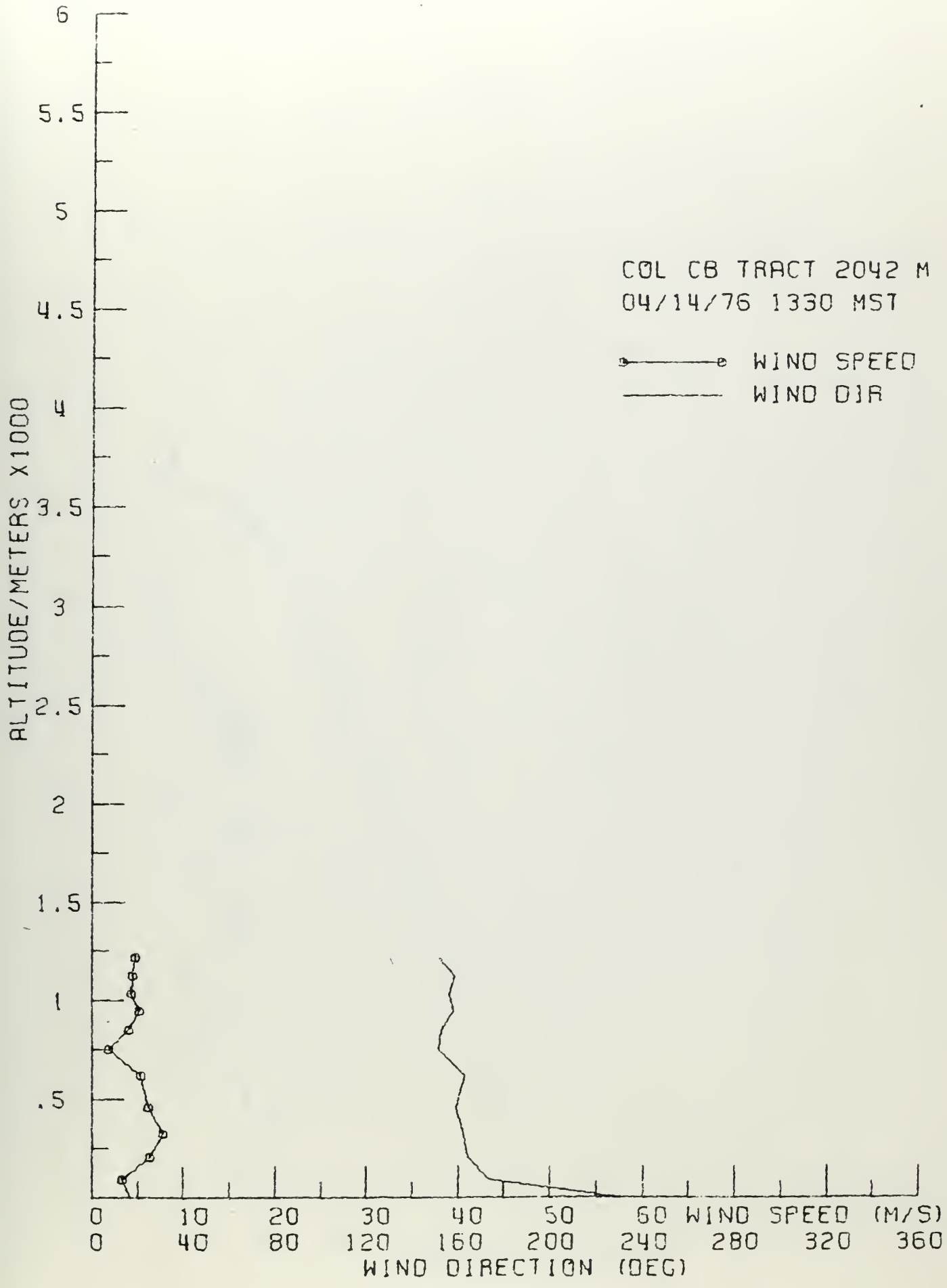
TEMPERATURE DEG/C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04/14/76 1330 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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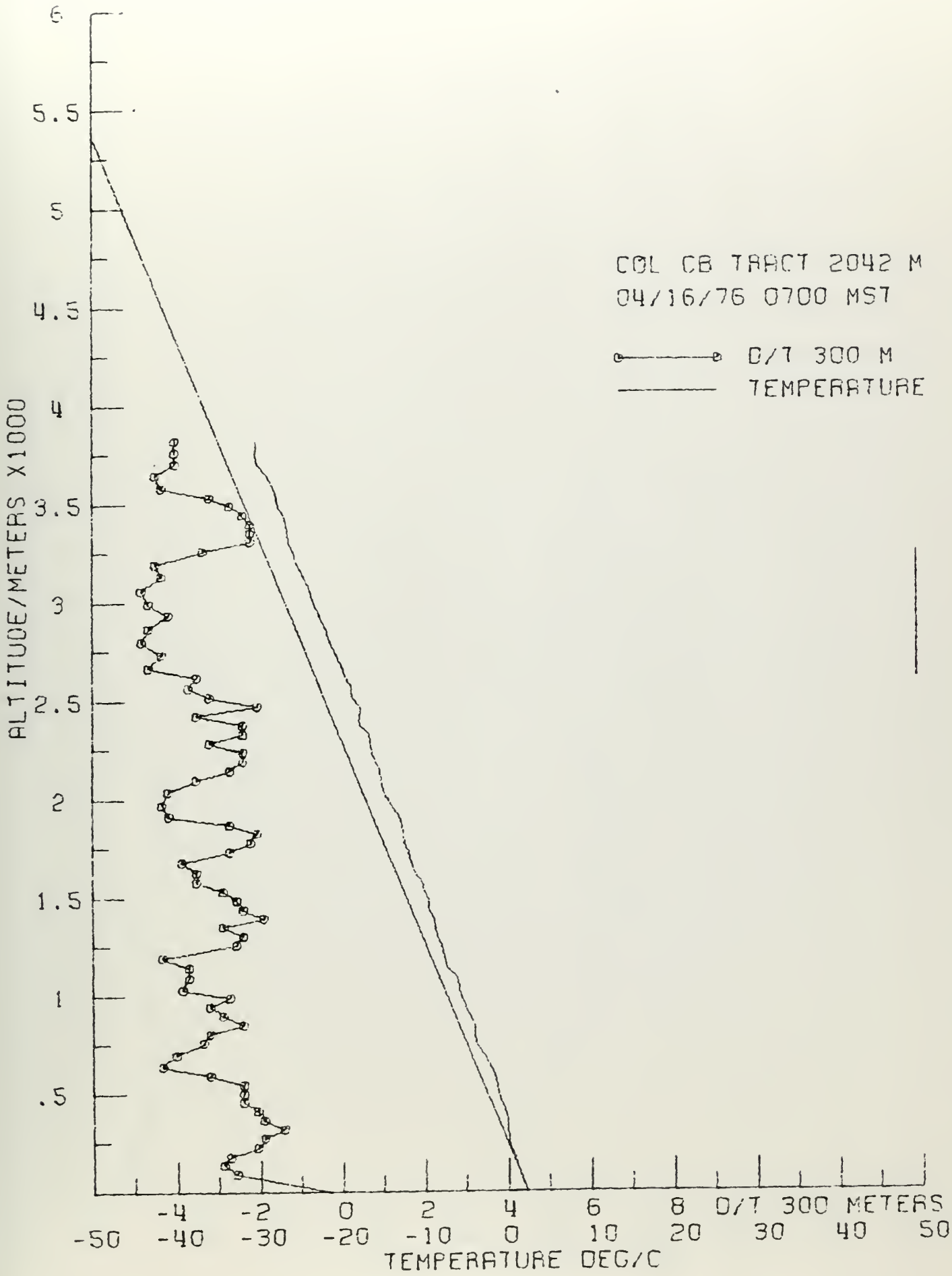
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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04/16/76 0700 MST
D/T 300 M
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ALTITUDE/METERS X1000
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D/T 300 METERS
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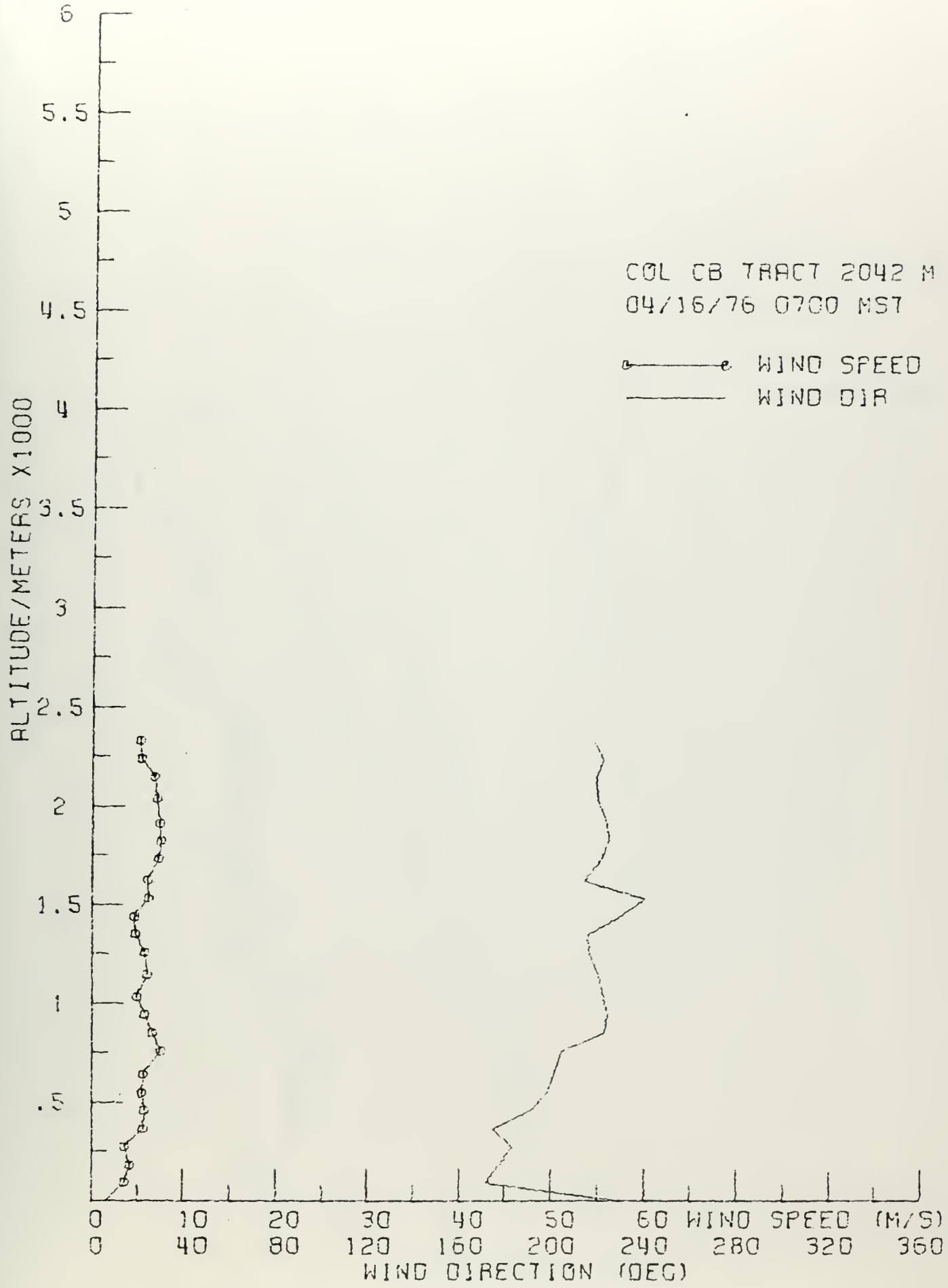
TEMPERATURE DEG/C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04/16/76 0700 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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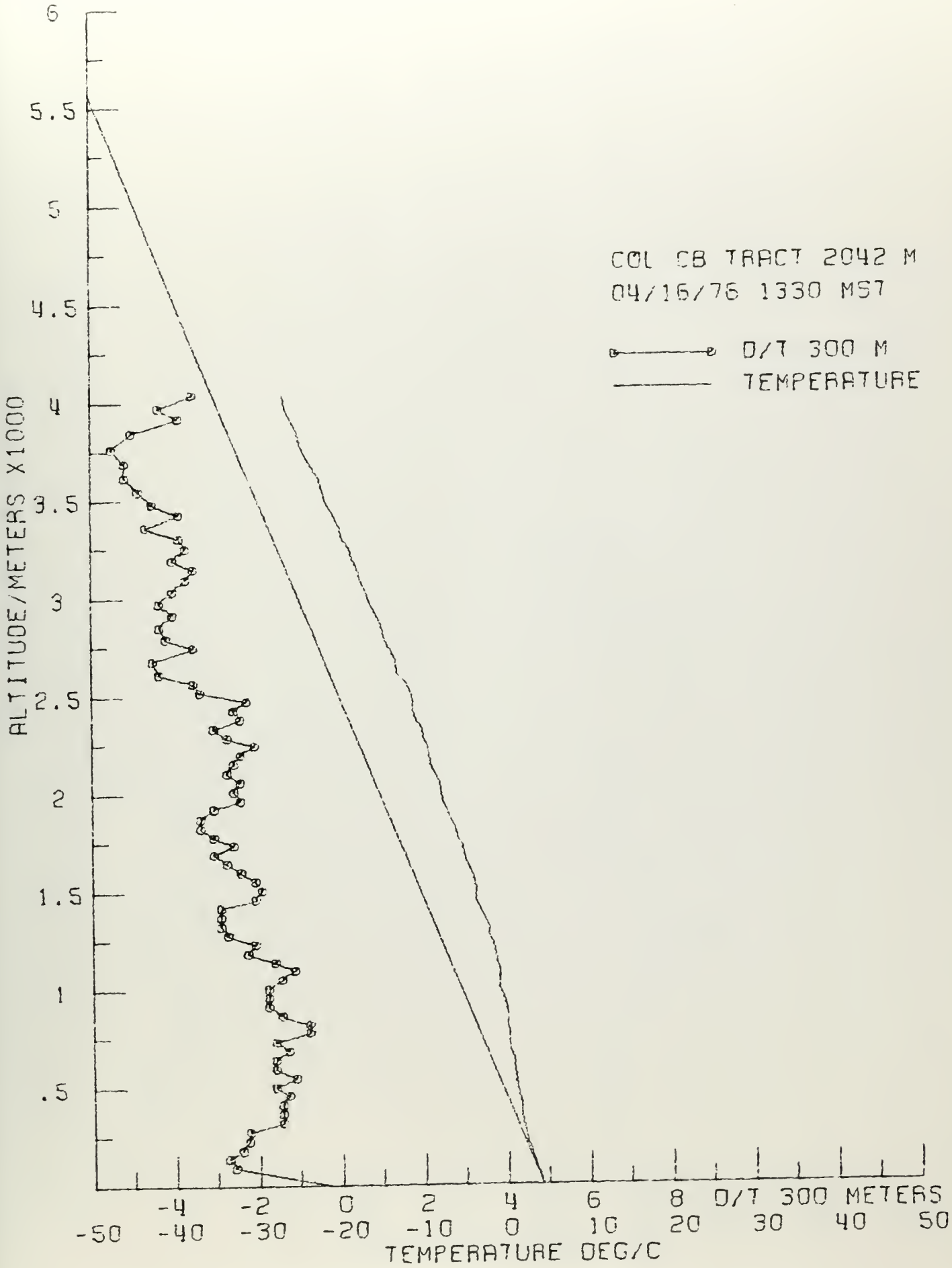
WIND DIRECTION (DEG)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04/16/76 1330 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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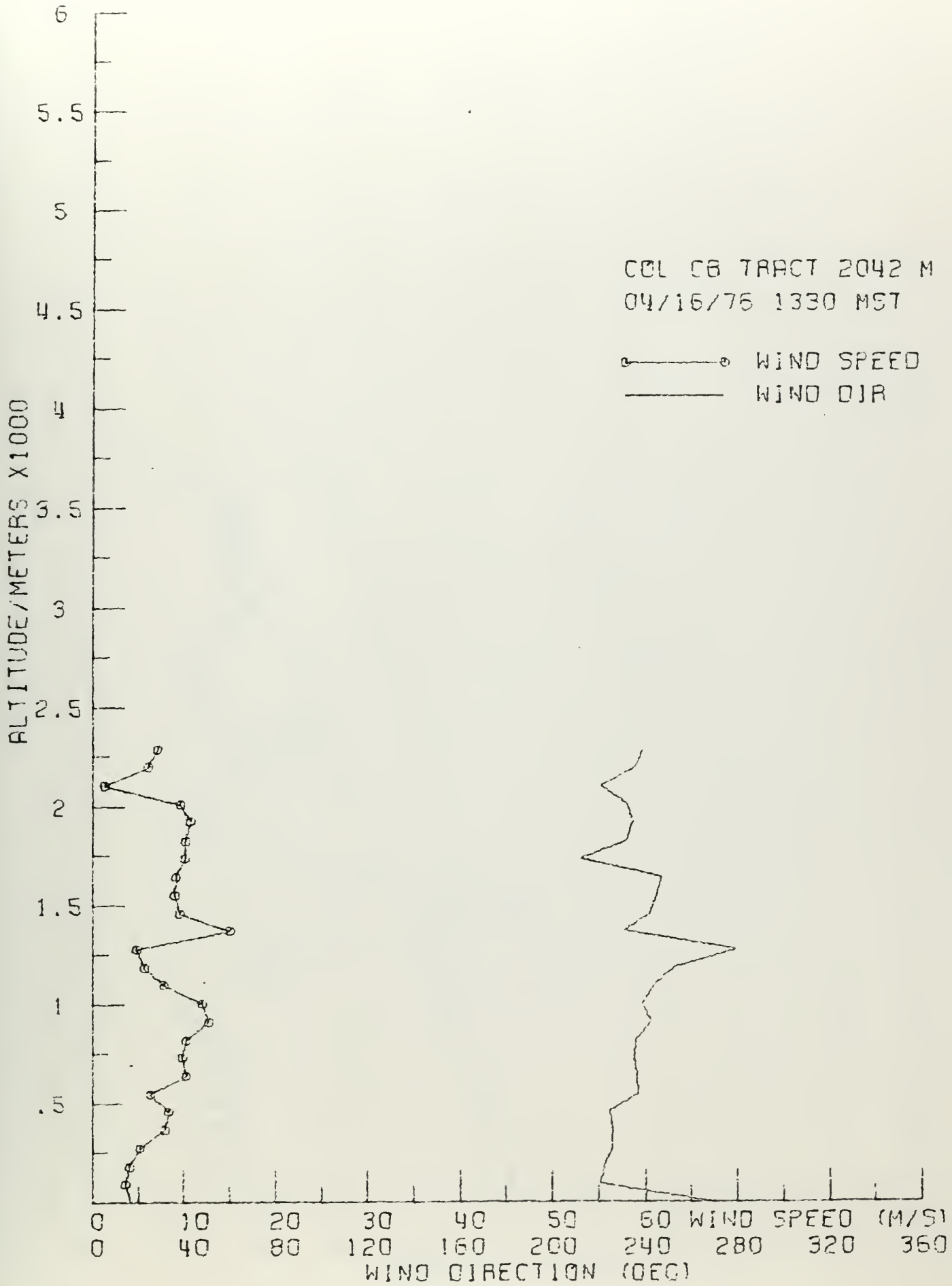
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/16/76 1330 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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4
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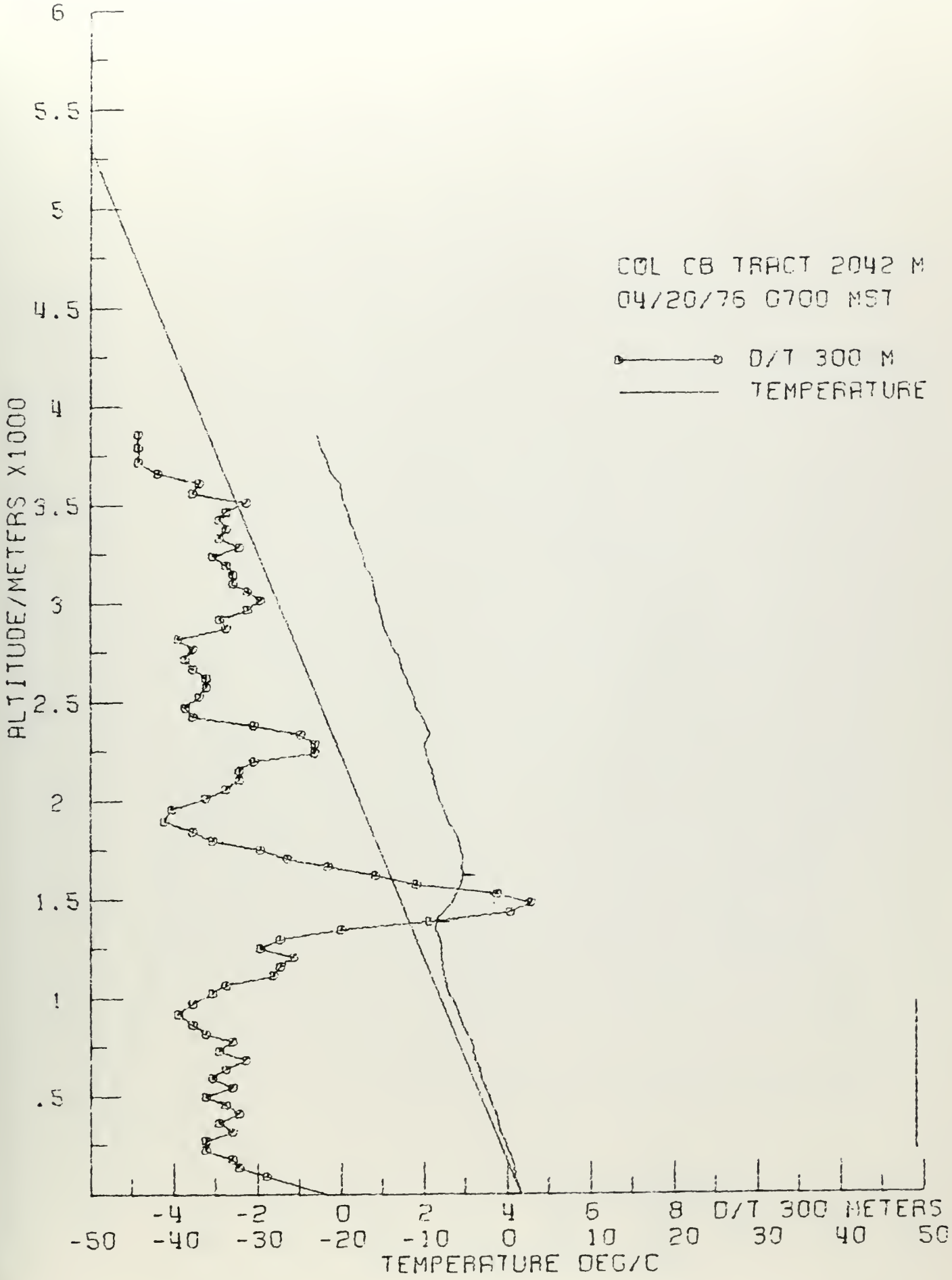
WIND DIRECTION (DEG)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D/T 300 M
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ALTITUDE/METERS X1000
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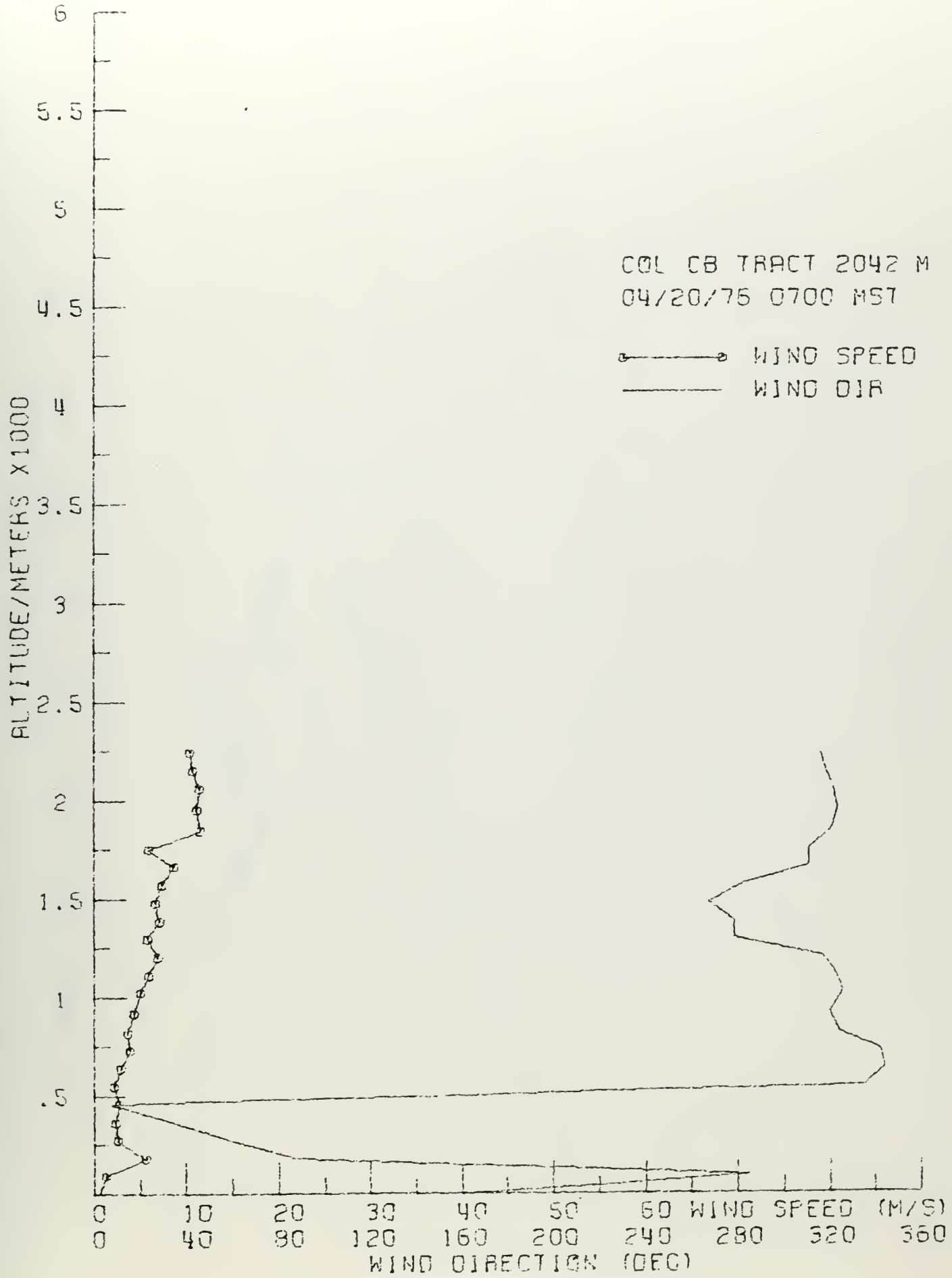
TEMPERATURE DEG/C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WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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4.5
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3.5
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.5
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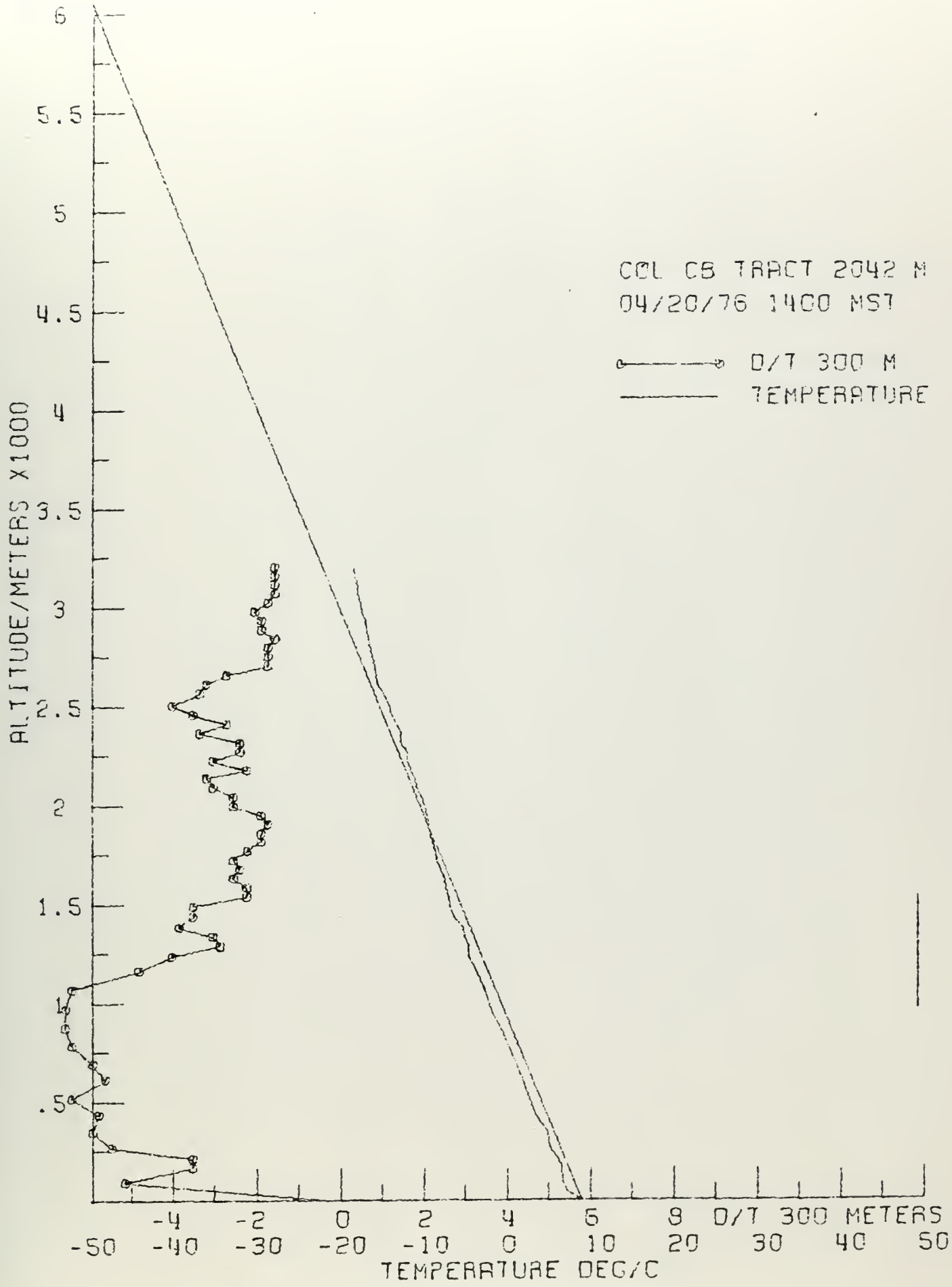
WIND DIRECTION (DEG)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D/T 300 M
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ALTITUDE/METERS X1000
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D/T 300 METERS
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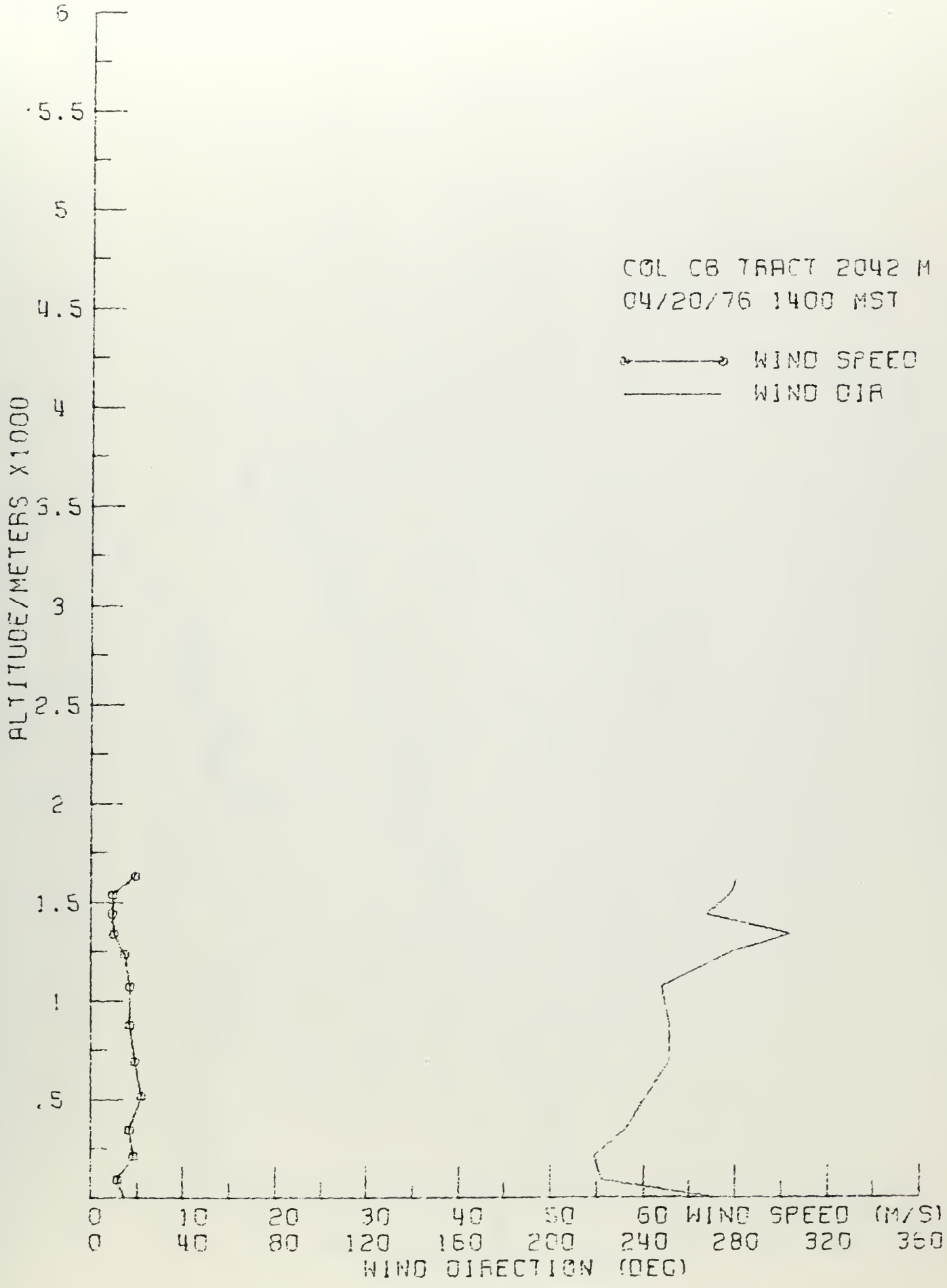
TEMPERATURE DEG/C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04/20/76 1400 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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0 10 20 30 40 50 60 WIND SPEED (M/S)
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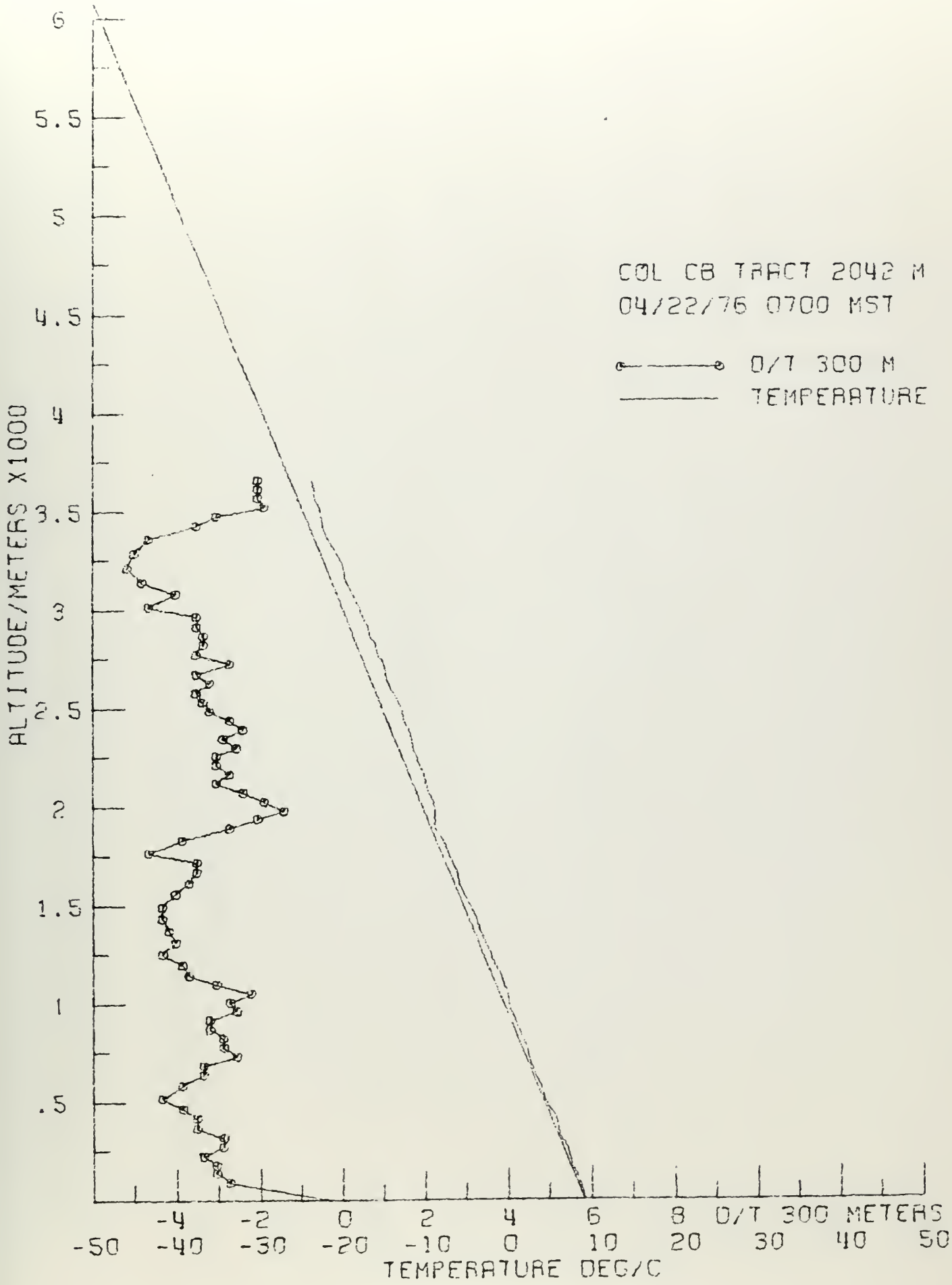
WIND DIRECTION (DEG)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O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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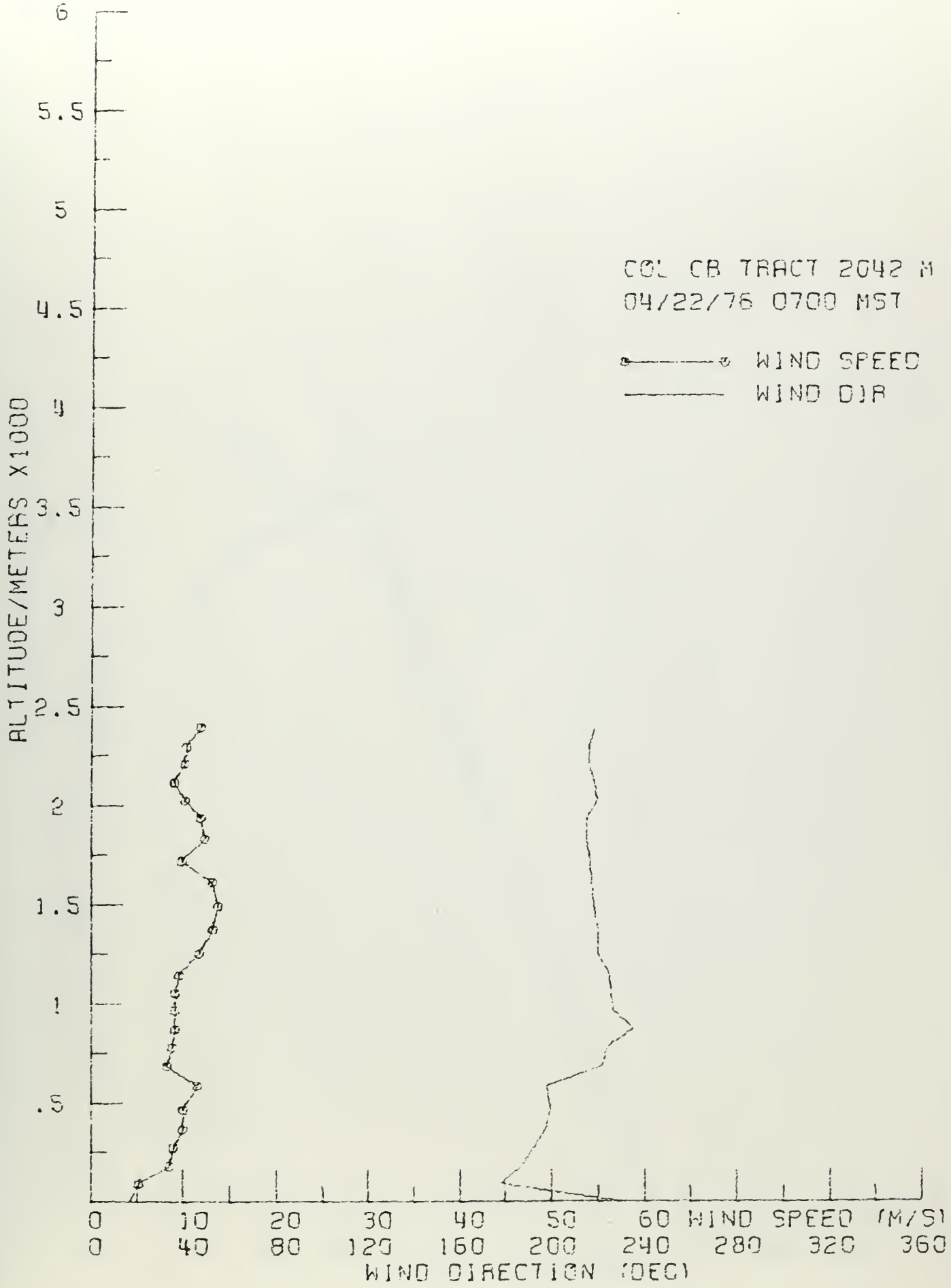
TEMPERATURE DEG/C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04/22/76 0700 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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0 10 20 30 40 50 60 WIND SPEED (M/S)
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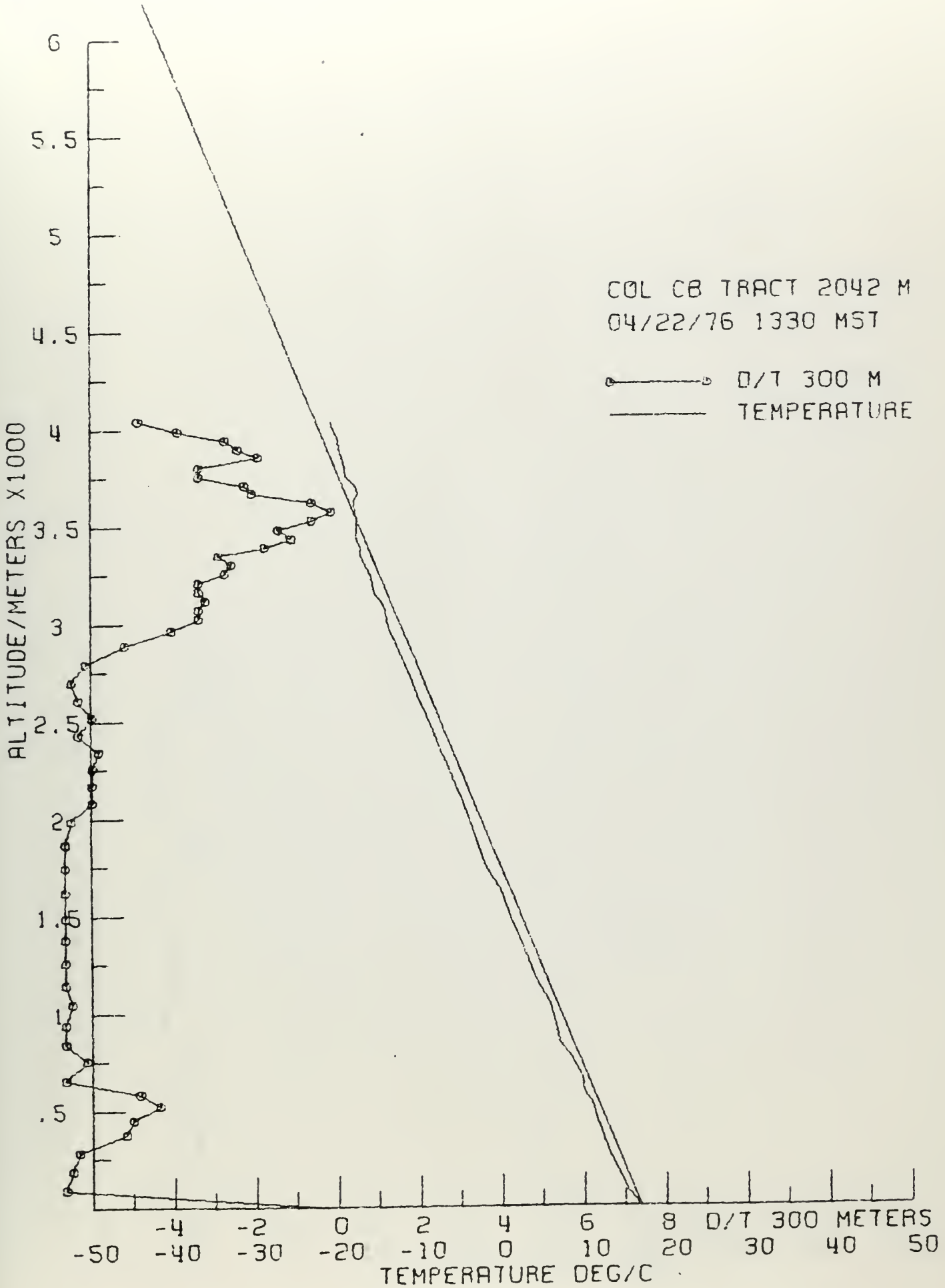
WIND DIRECTION (DEG)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04/22/76 1330 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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D/T 300 METERS
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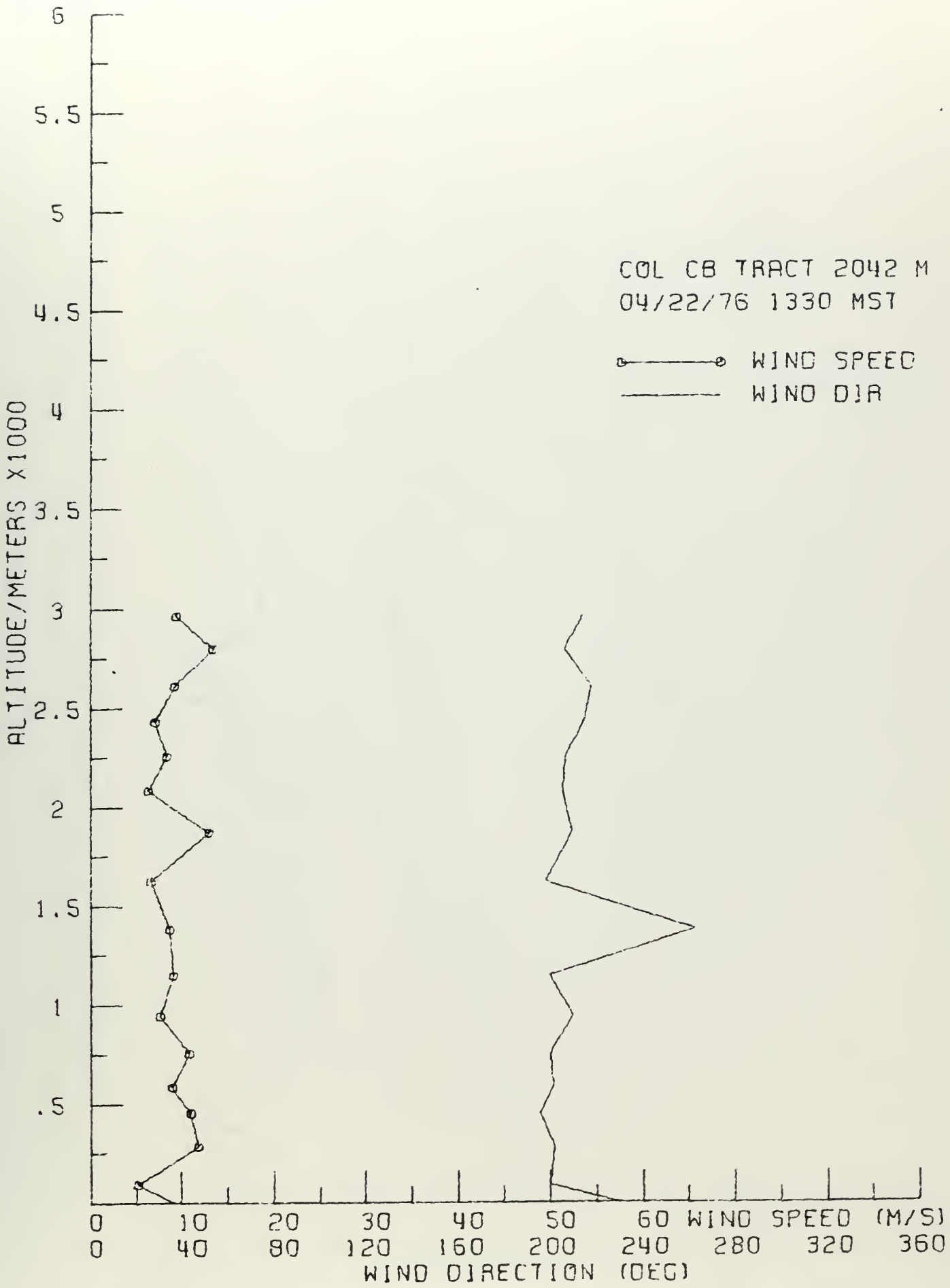
TEMPERATURE DEG/C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04/22/76 1330 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
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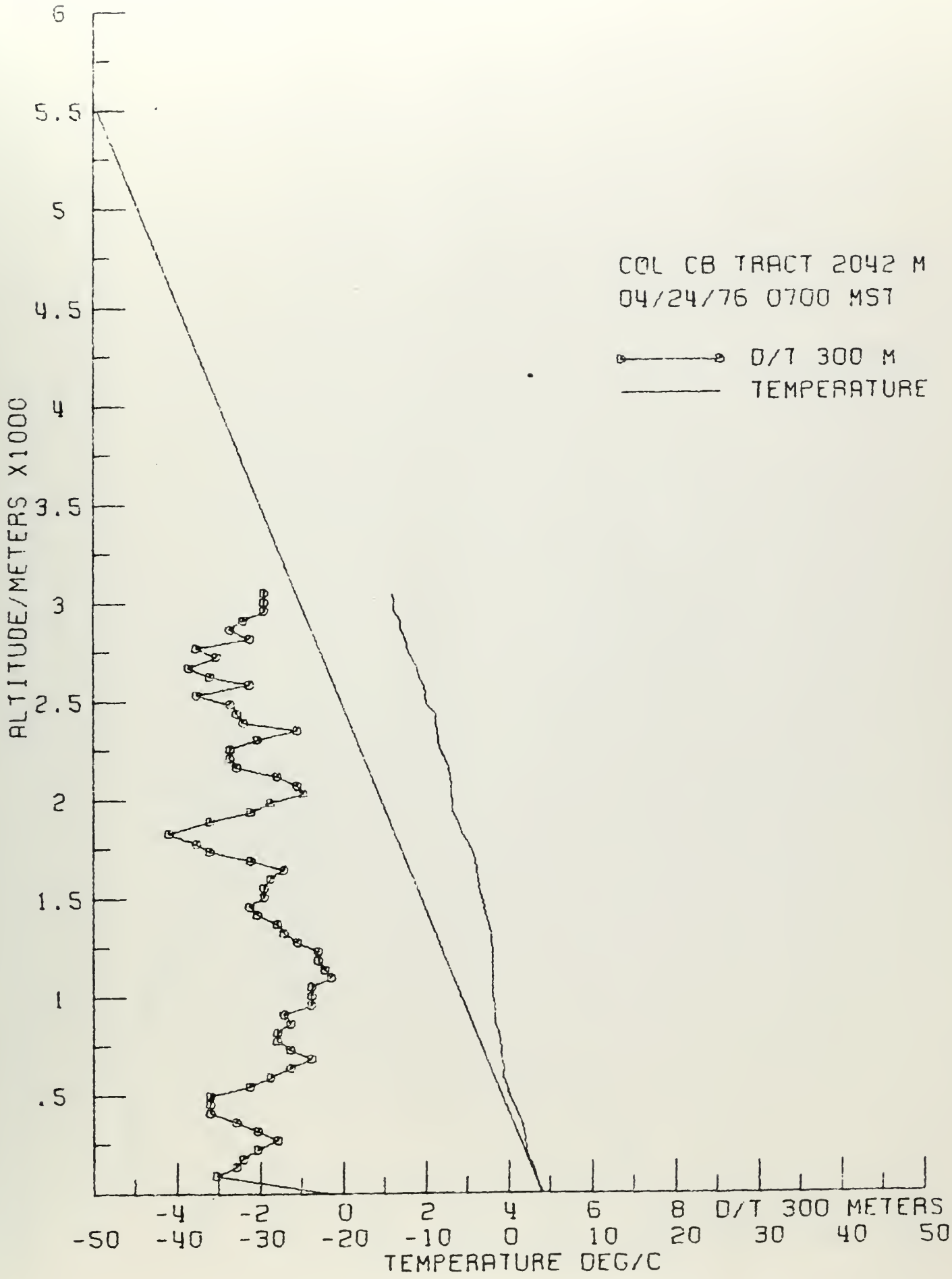
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)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04/24/76 0700 MST
D/T 300 M
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ALTITUDE/METERS X1000
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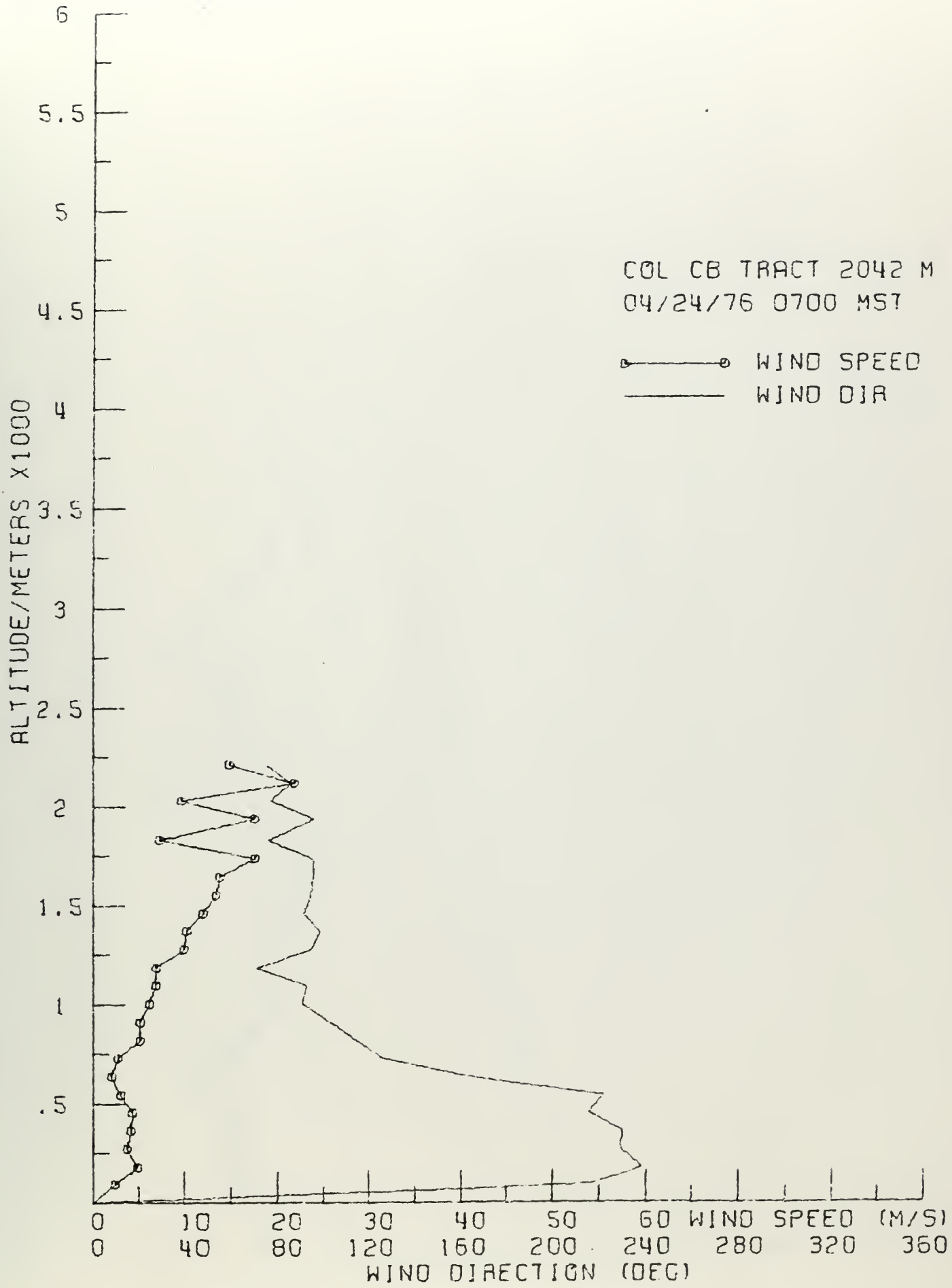
TEMPERATURE DEG/C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04/24/76 0700 MST
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WIND DIR
ALTITUDE/METERS X1000
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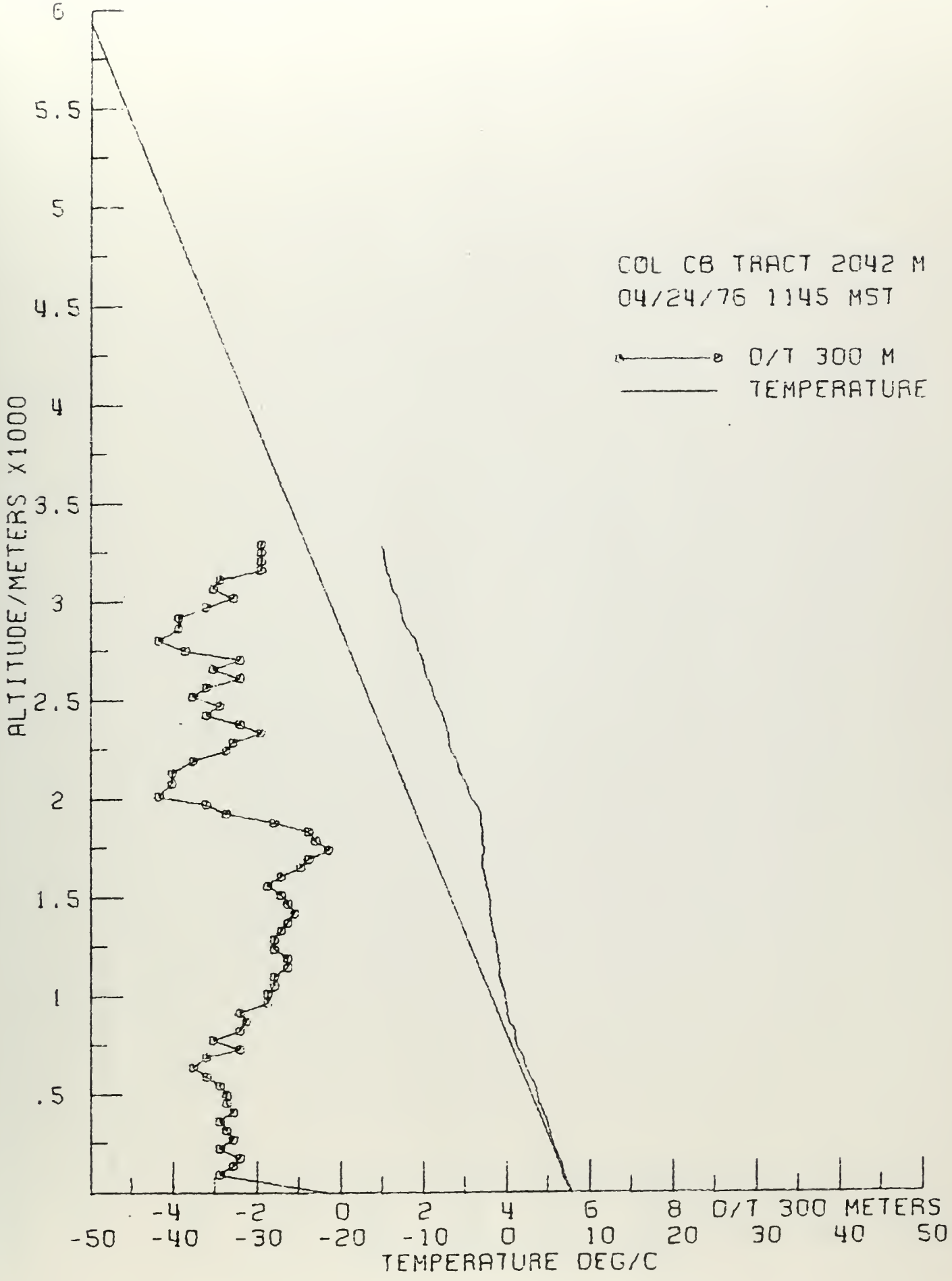
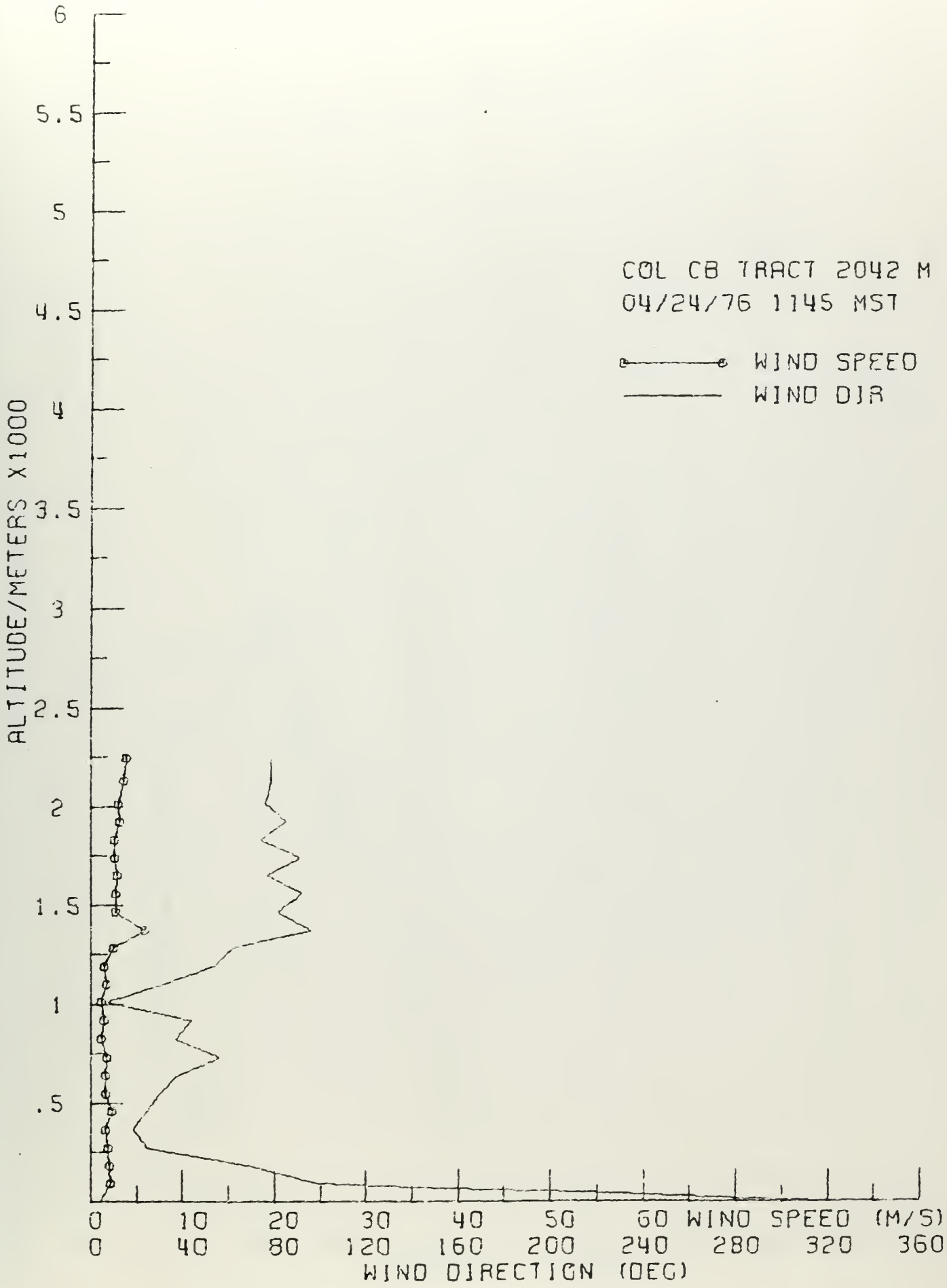
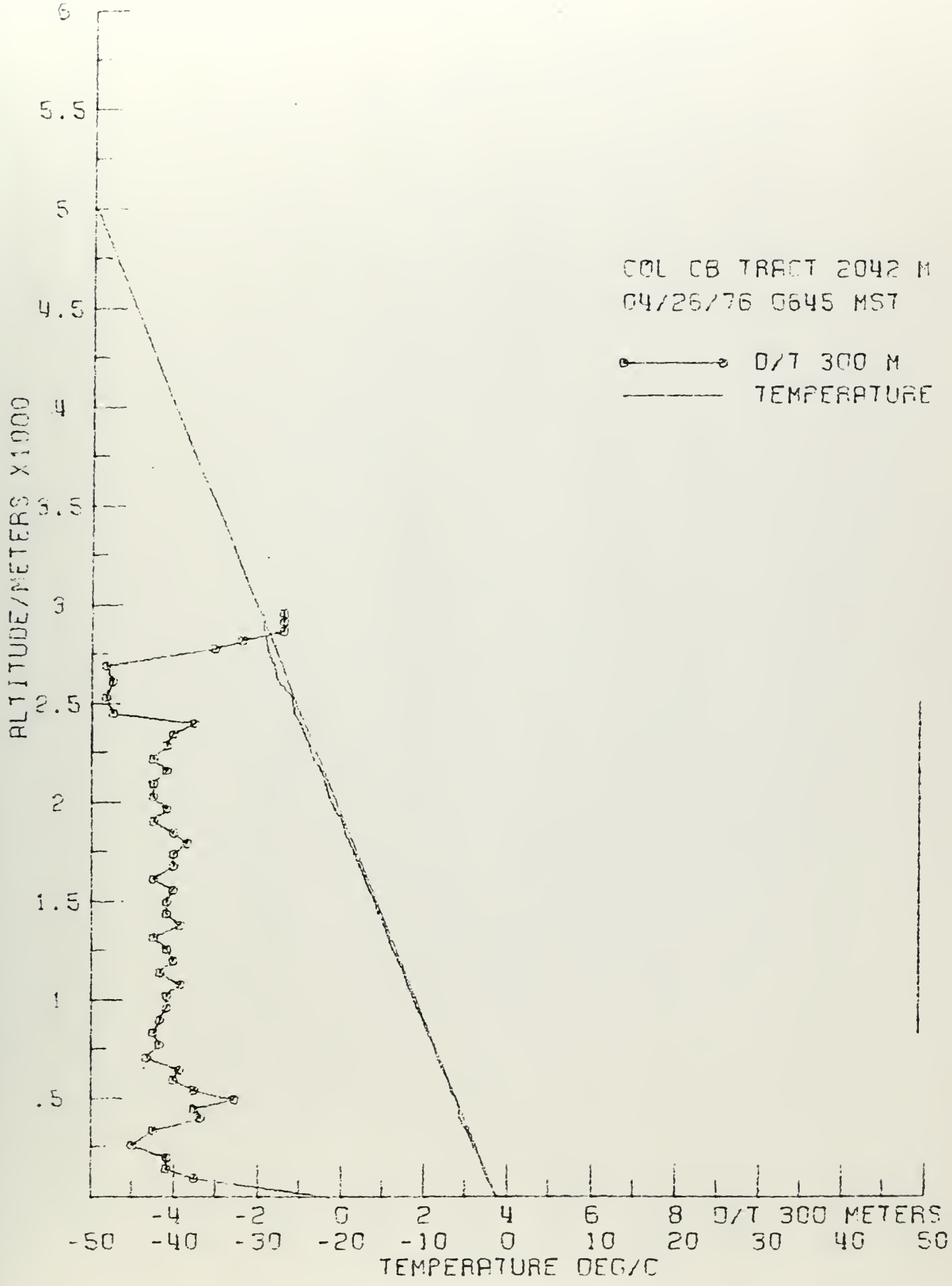
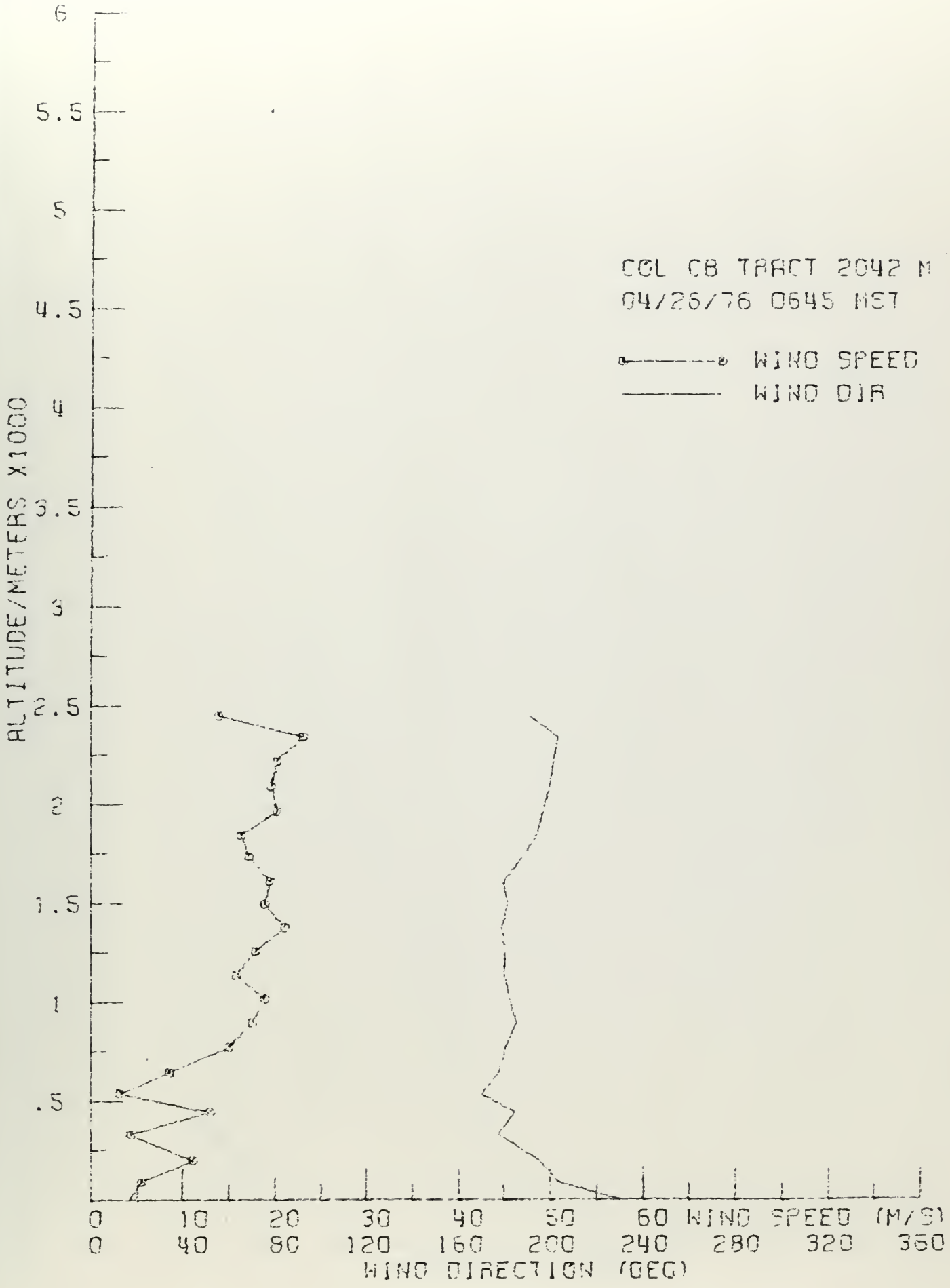
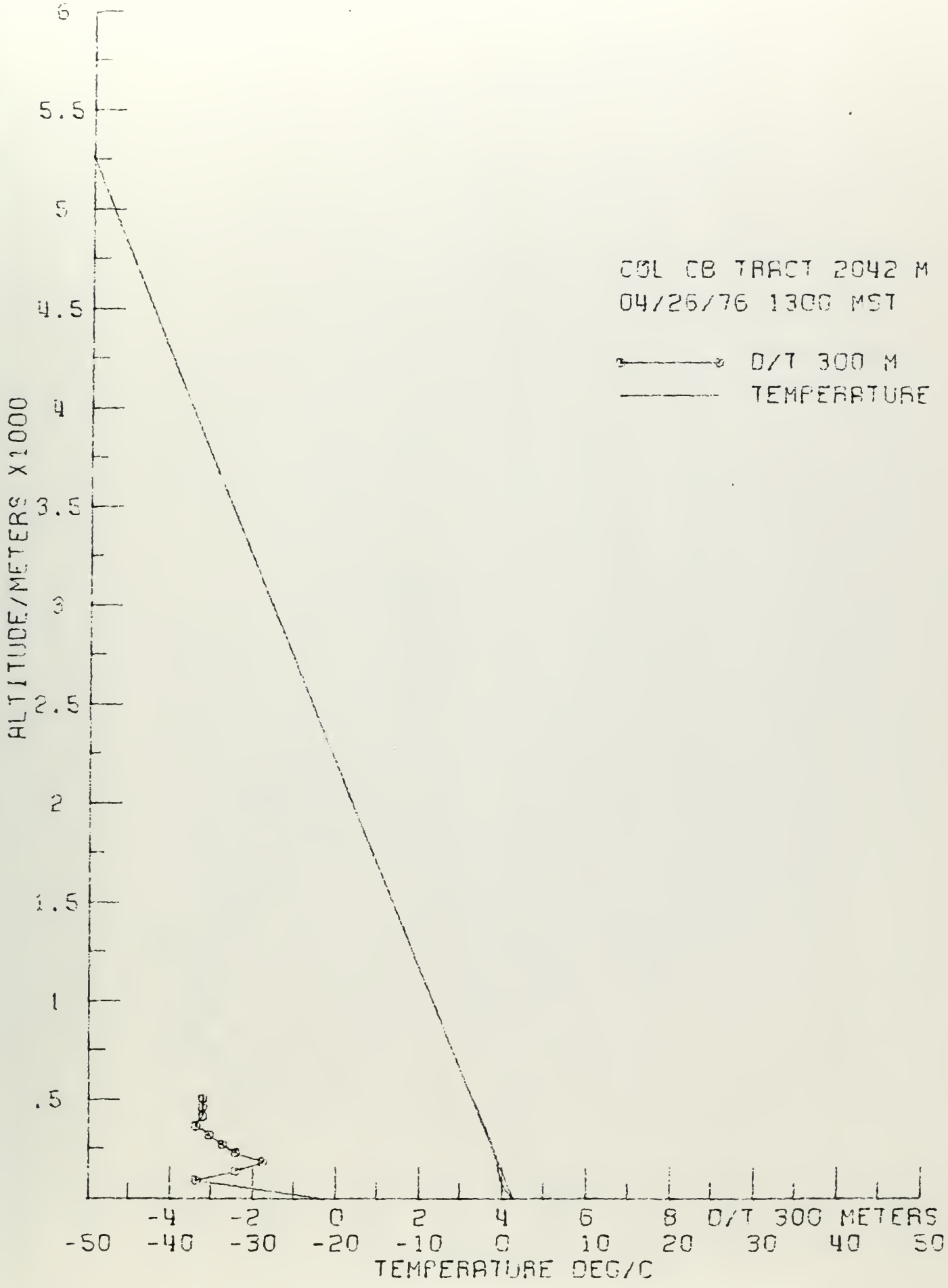
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

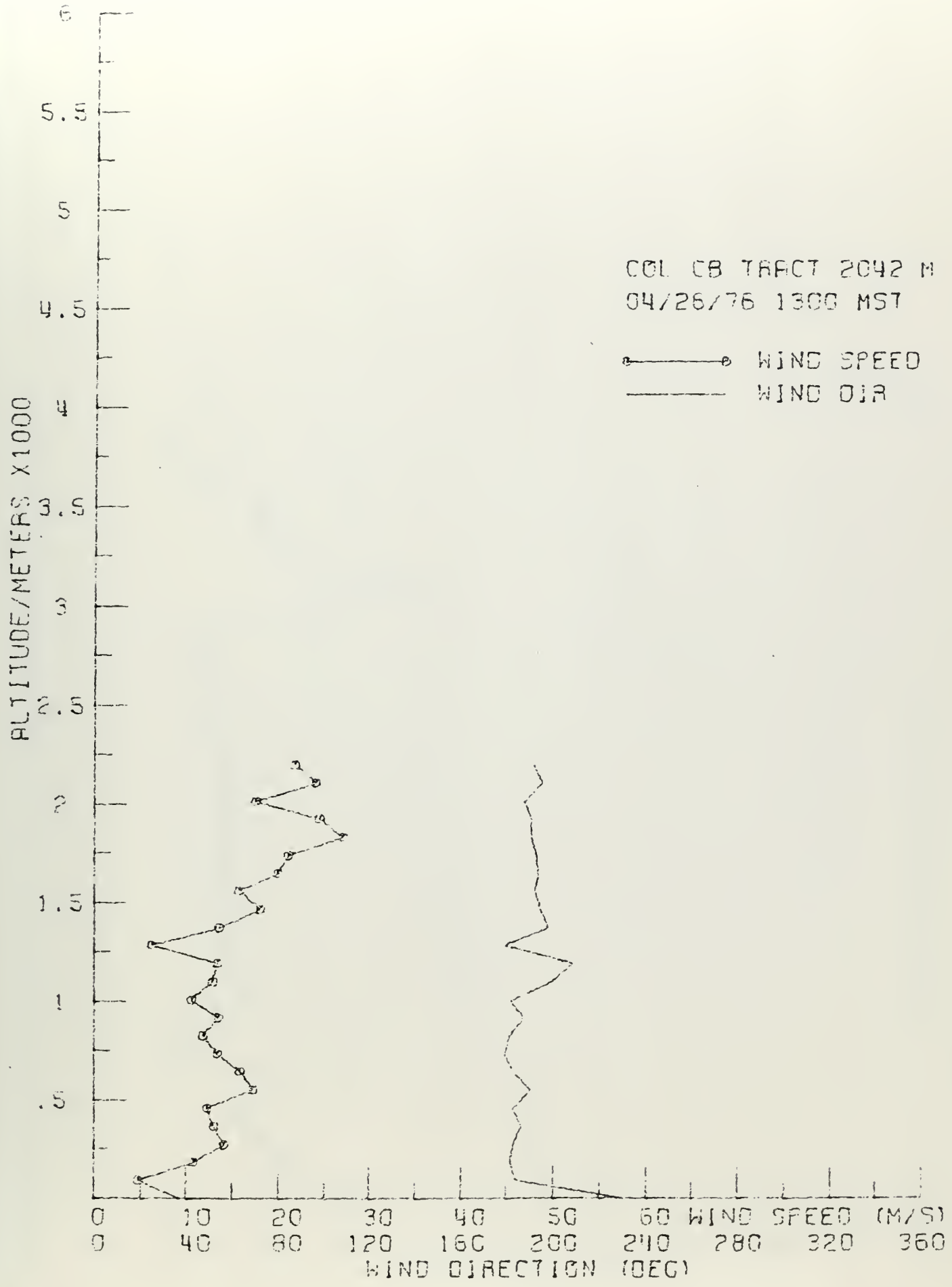

COL CB TRACT 2042 M
04/24/76 1145 MST
O/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
O/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C

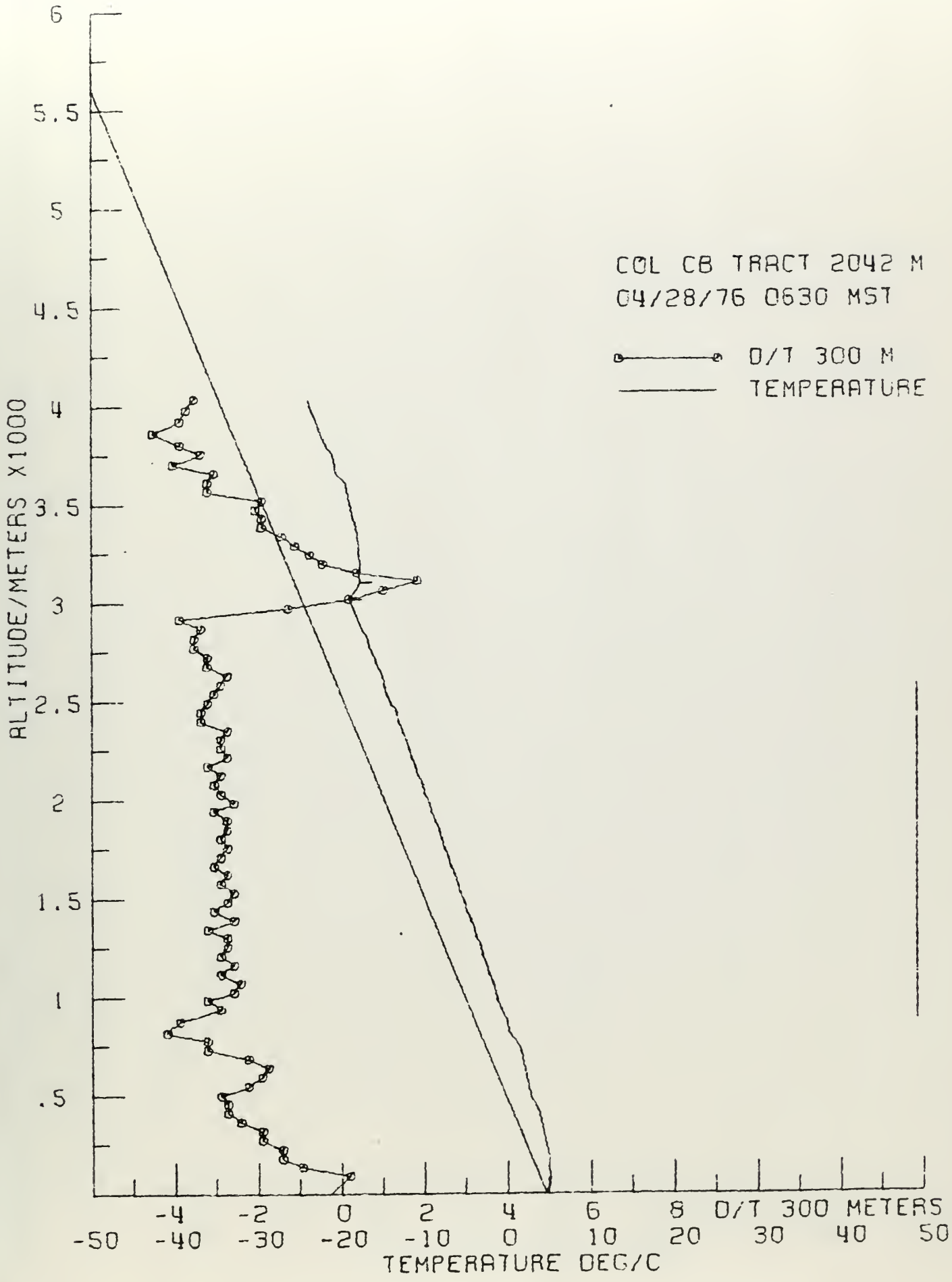

COL CB TRACT 2042 M
04/24/76 1145 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/26/76 0645 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/26/76 0645 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/26/76 1300 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/26/76 1300 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/28/76 0630 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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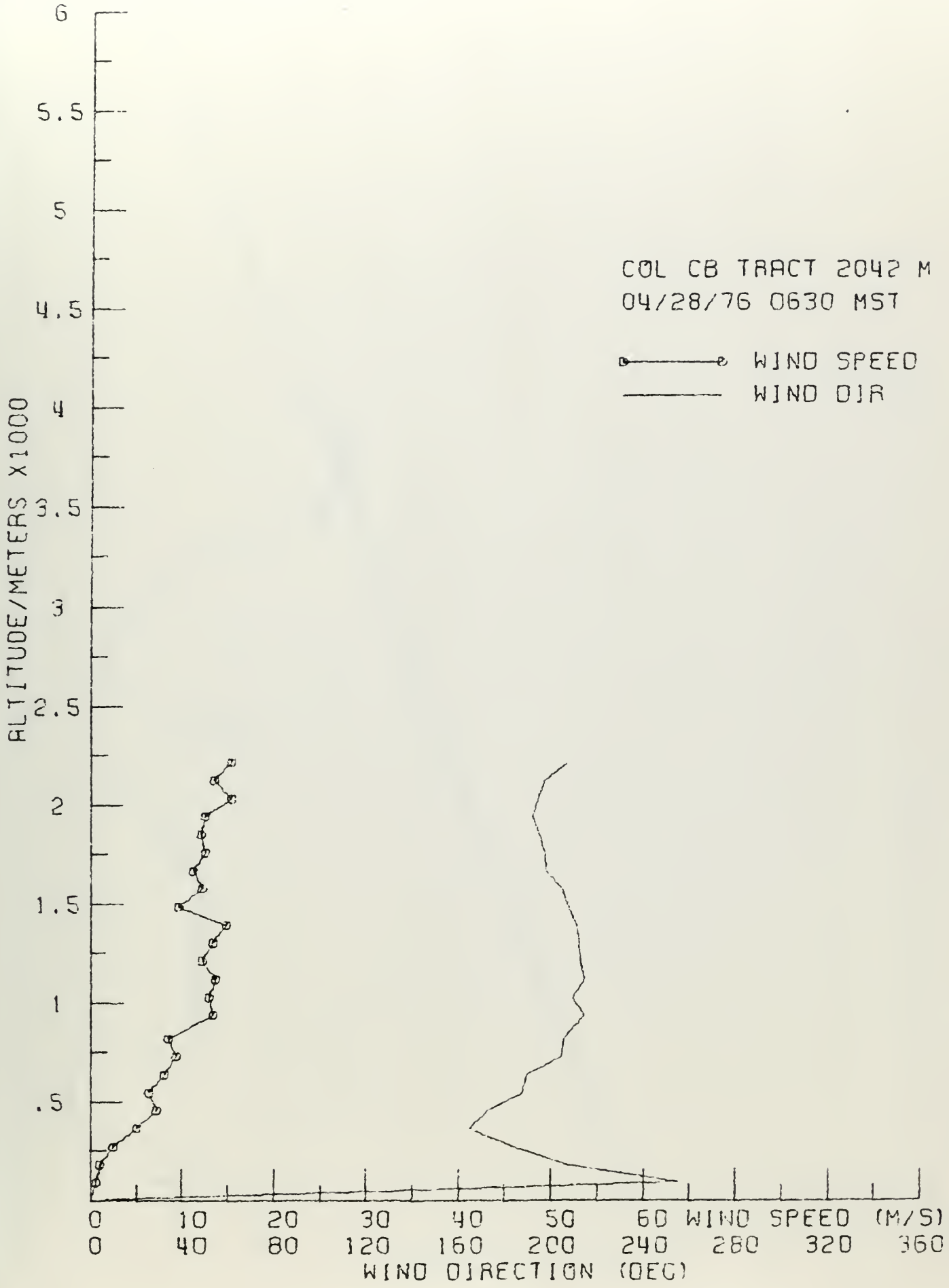
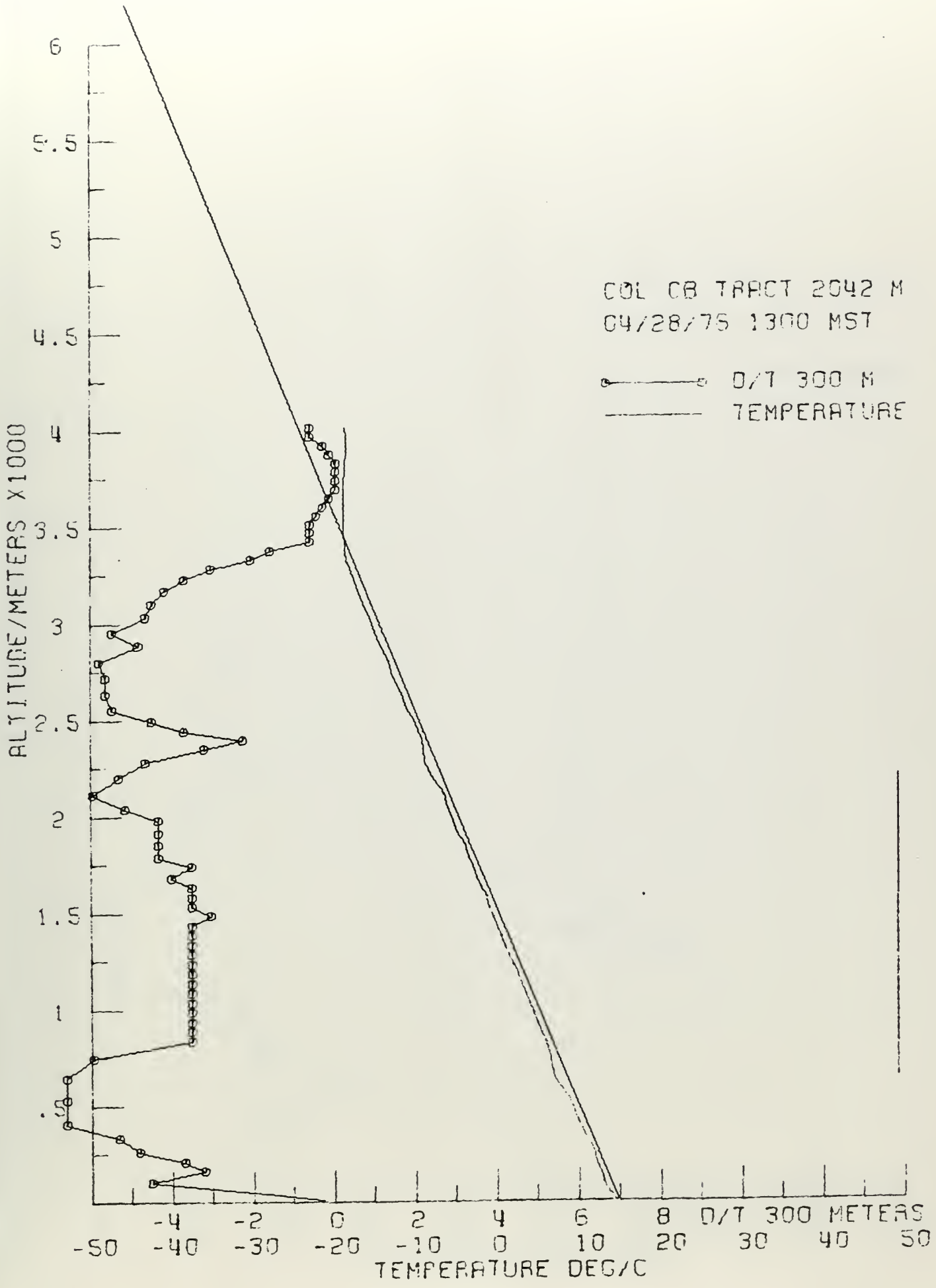
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/28/76 0630 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/28/75 1300 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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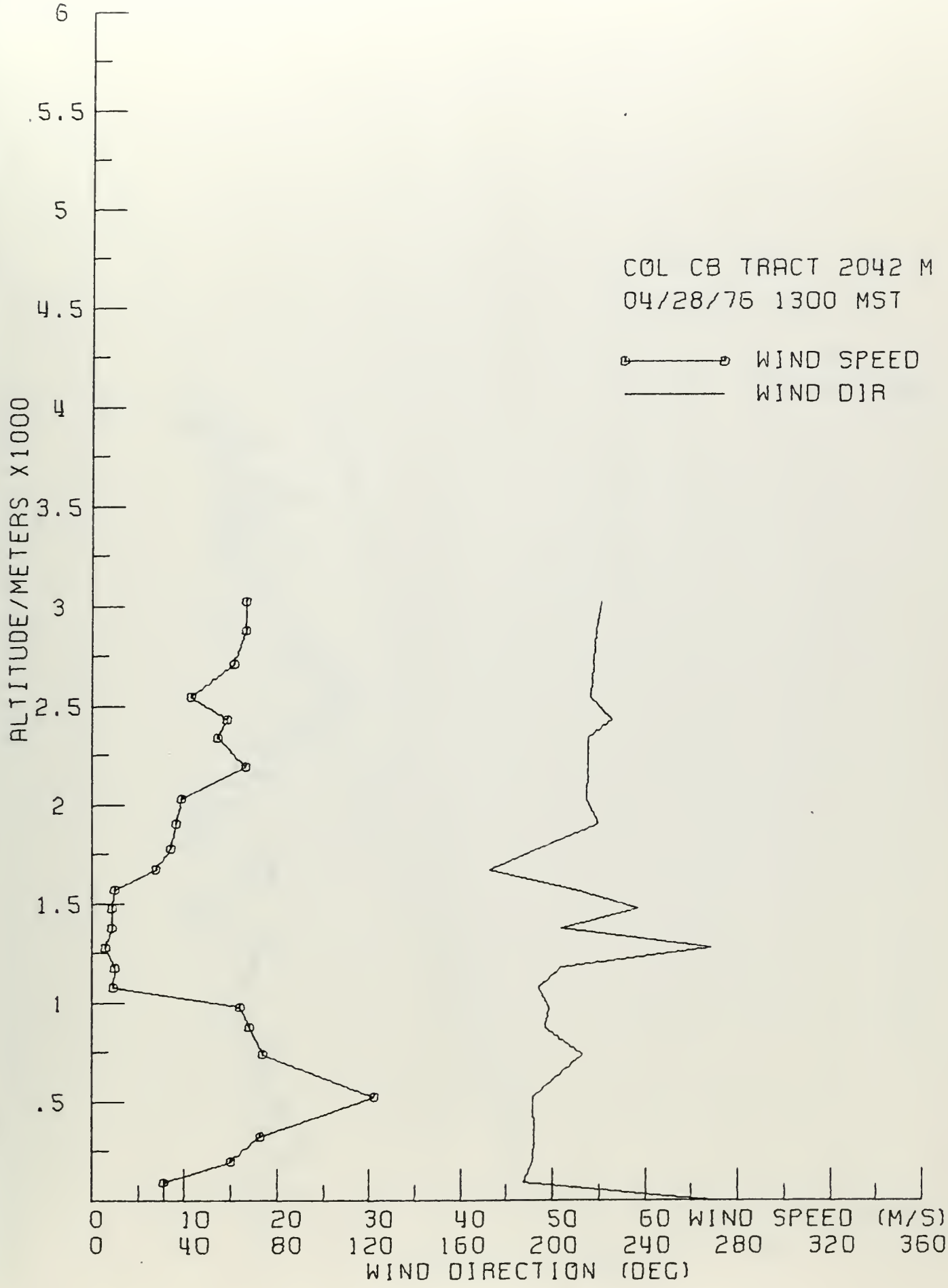
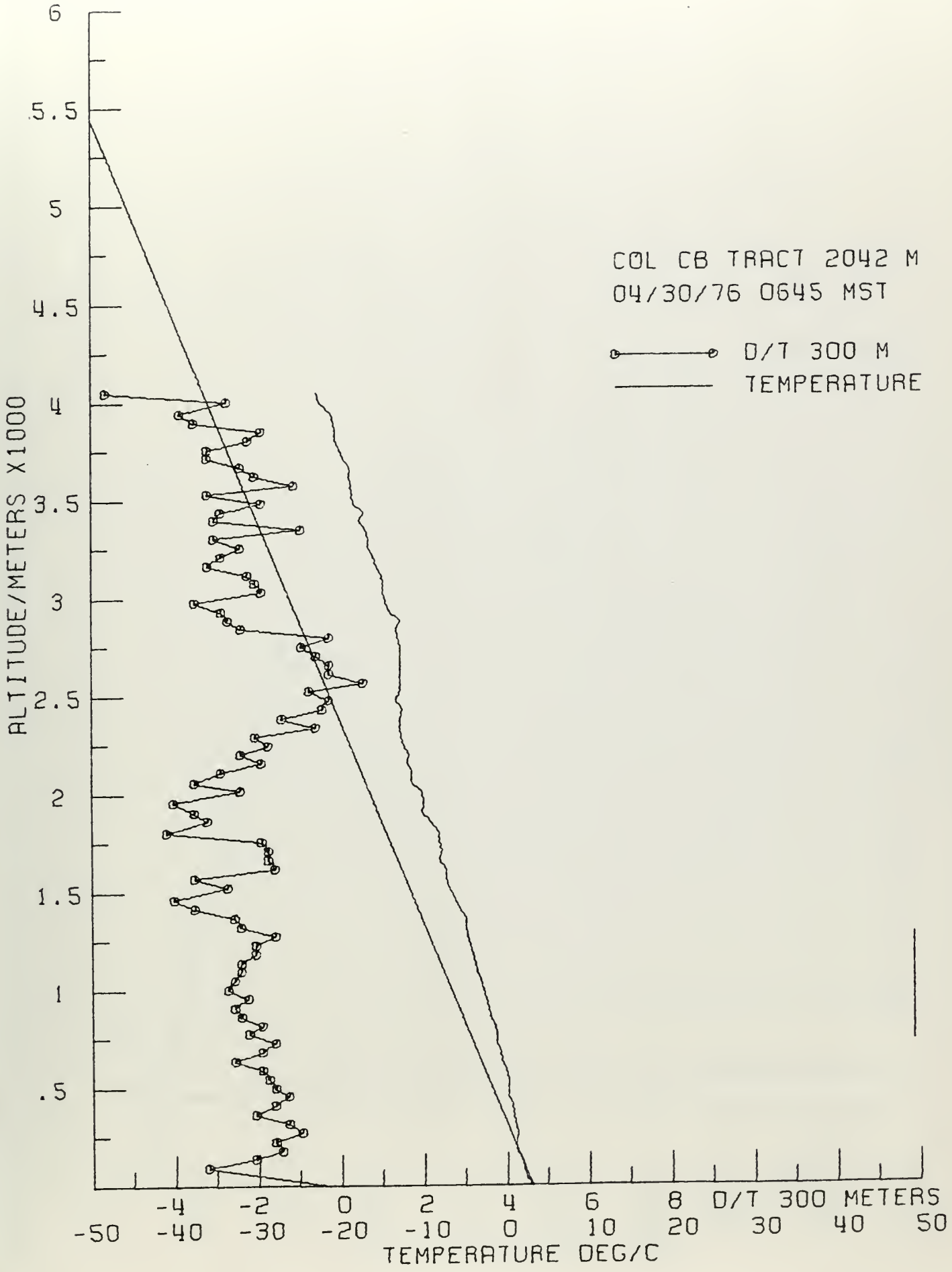
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/28/76 1300 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/30/76 0645 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
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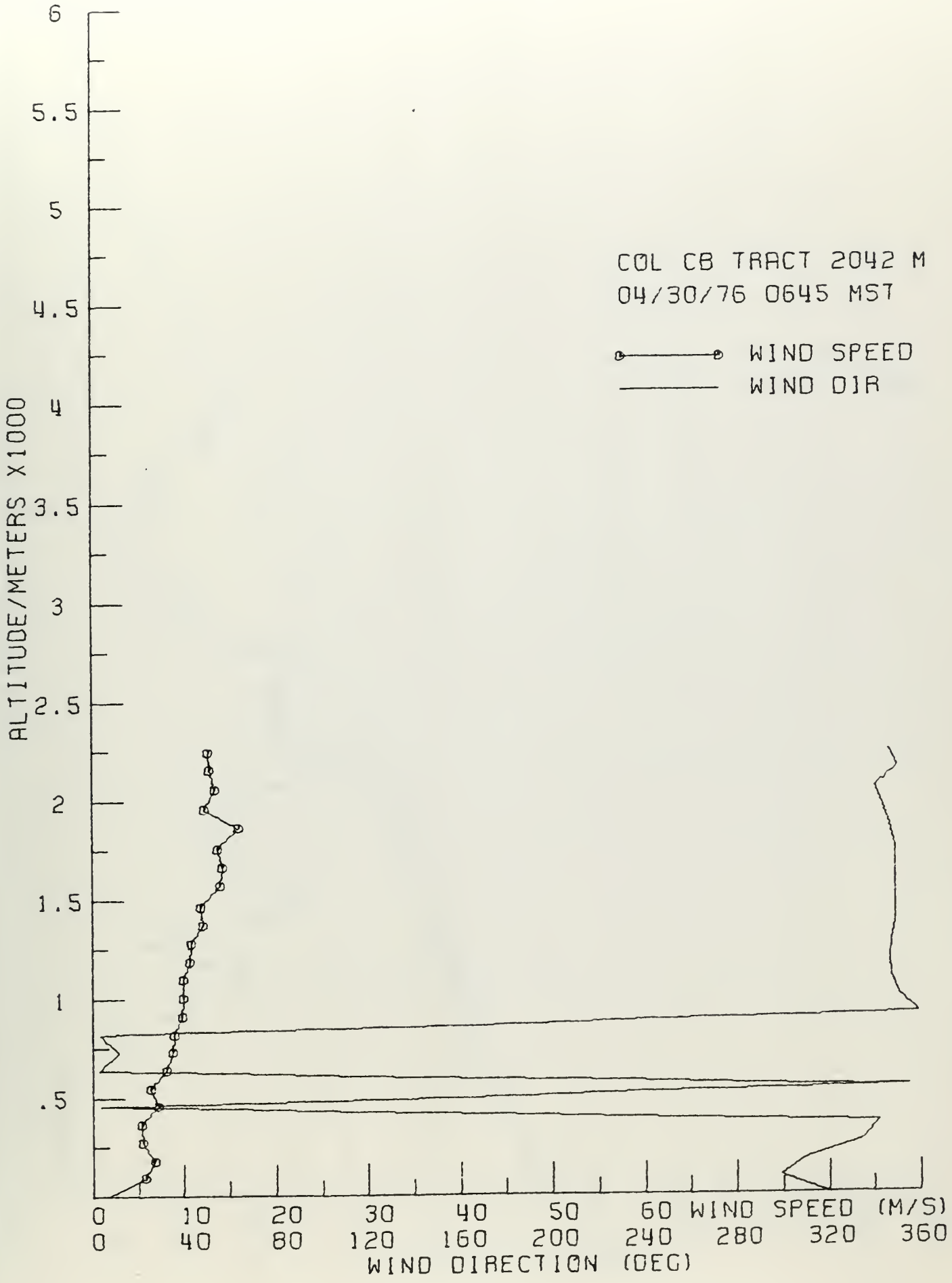
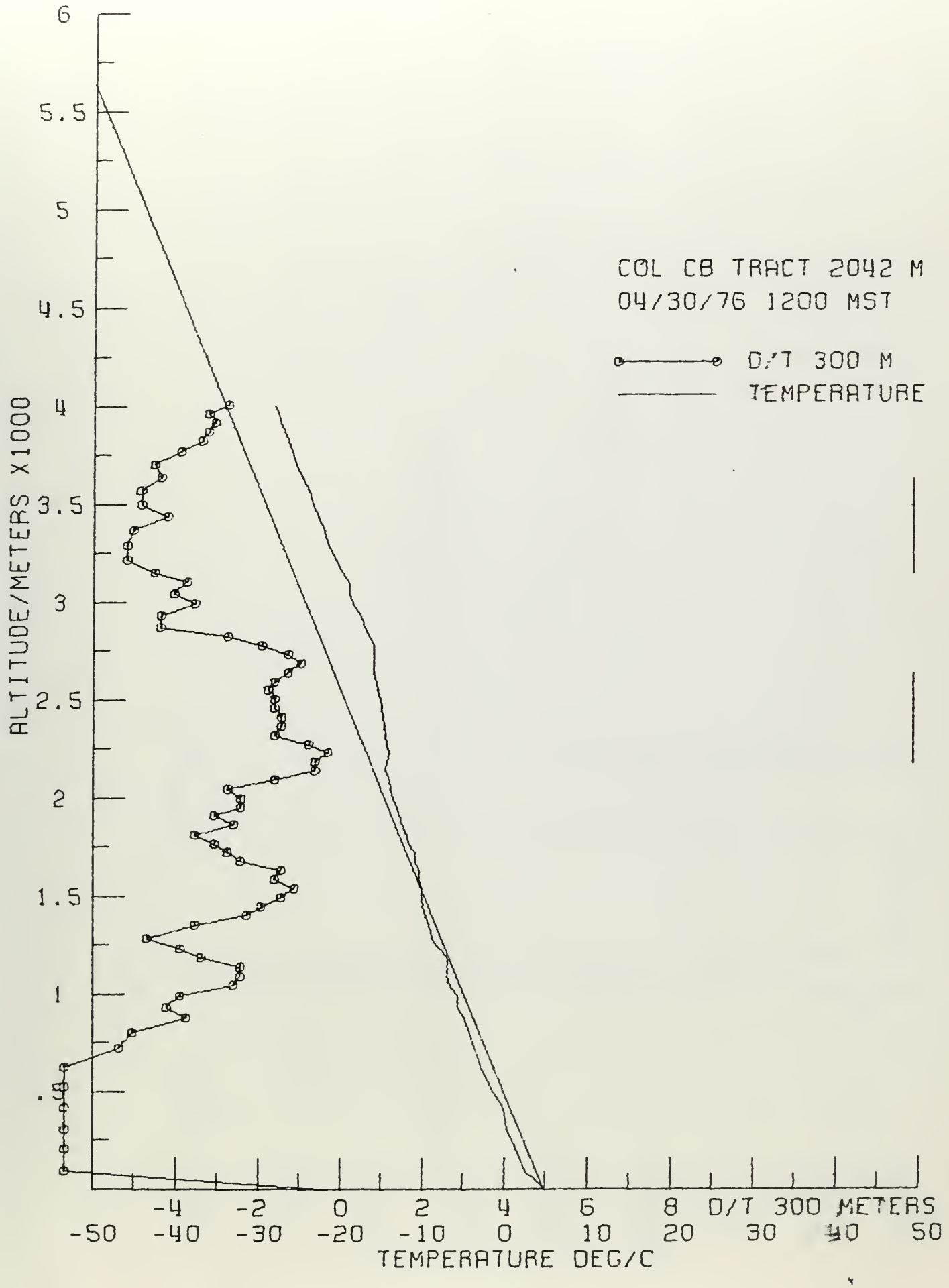
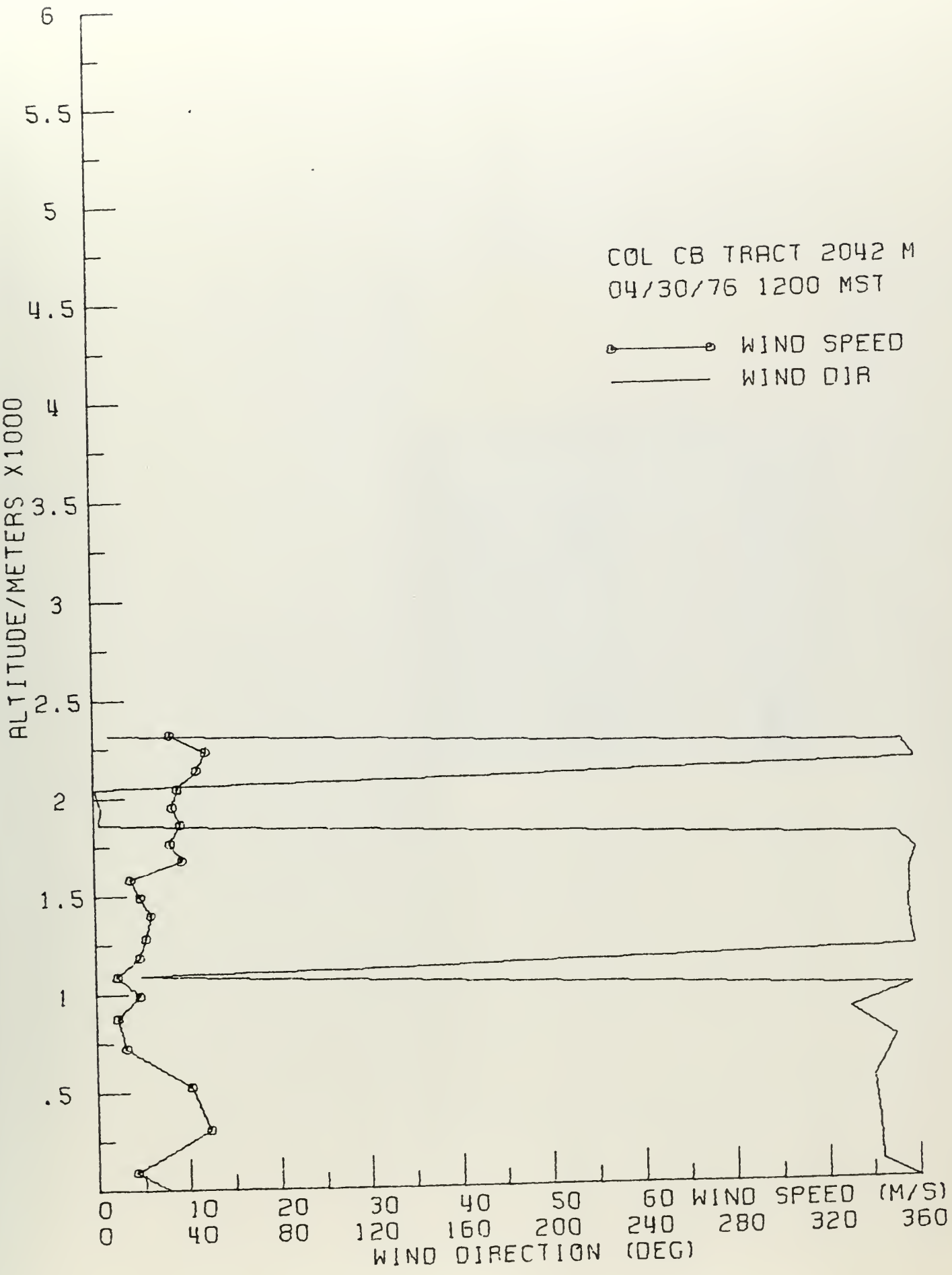
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/30/76 0645 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)


COL CB TRACT 2042 M
04/30/76 1200 MST
D/T 300 M
TEMPERATURE
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
-4
-2
0
2
4
6
8
D/T 300 METERS
-50
-40
-30
-20
-10
0
10
20
30
40
50
TEMPERATURE DEG/C


COL CB TRACT 2042 M
04/30/76 1200 MST
WIND SPEED
WIND DIR
ALTITUDE/METERS X1000
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
.5
0 10 20 30 40 50 60 WIND SPEED (M/S)
0 40 80 120 160 200 240 280 320 360
WIND DIRECTION (DEG)

Form 1279–3
(June 1984)

BORROWE

TN 350 .Cal M335

Monthly progress
... for the per

DATE LOANED	BORROWER

USDI – BLM